S8715-1

PUBLIC HEALTH STATISTICS

1980

Wisconsin Department of Health and Social Services,
Division of Health, Bureau of Health Statistics

Address Inquiries To:
Bureau of Health Statistics
P.O. Box 309, Madison, Wisconsin 53701
Phone: (608) 266-1939

STATE OF WISCONSIN

DEPARTMENT OF HEALTH AND SOCIAL SERVICES

DIVISION OF HEALTH

Bureau of Health Statistics

Raymond D. Nashold..... Director

Section of Demographic and Special Analysis

Henry C. Krebs..... Chief

Section of Vital Statistics

Edward F. Steichen..... Chief

Report preparation involved the cooperative efforts of staff in the Section of Vital Statistics and the Section of Demographic and Special Analysis; particularly:

Frederick Krantz
Margaret Schmale
Margaret Brown
Carol Weidel

TABLE OF CONTENTS

Page No.

INDEX v
INTRODUCTION vii
TECHNICAL NOTES viii

GRAPHS

Figure No.

1. Percent Change in Wisconsin's Population by Age, 1960-1970 4
1a. Percent Change in Wisconsin's Population by Age, 1970-1980 4
2. Population Pyramids, Wisconsin, 1930-1980 5
3. Total Population Growth by Counties, Wisconsin, 1970-1980 7
4. Percent Change in Population Due to Migration by Counties, Wisconsin, 1970-1980 7
5. Birth and Death Rates, Wisconsin, 1940-1980 12
6. Leading Causes of Death by Sex, Wisconsin, 1980 47
7. Deaths from Accidents, by Sex and Age, Wisconsin, 1980 61
8. Deaths from Cardiovascular Renal Disease, by Sex and Age, Wisconsin, 1980 71
9. Crude Marriage Rates in Wisconsin, 1910-1980 82

TEXT TABLES

1. Fertility Rates for Women 20-24 (Births per 1000 Women) Wisconsin, 1940-1980 29
2. Age-Specific Fertility Rates (Per 1000 Women in Each Age Group) Wisconsin, 1940-1980 30
3. Total Deaths and Death Rates by Sex and Age Groups, Wisconsin, 1980 45

TABLES

(The tables marked by an asterisk "" are not included in this report but may be obtained upon request from the Bureau of Health Statistics).*

POPULATION

Table No.

1. Wisconsin Population by Counties Enumerated in 1970 and 1980 with amount and rate of change 8
2. Wisconsin Population Growth Due to Natural Increase and Migration, 1945-1980 10
3. Wisconsin Population Characteristics by County, Census - April 1, 1980 11
4. Wisconsin Population by Age and Sex, White & Nonwhite, 1970 Census and 1980 Census 13

5/6. Abridged Life Tables for Wisconsin Males and Females 1978-1980 (1979 average) 14

SUMMARY OF VITAL EVENTS

7. Wisconsin Vital Events and Rates 1930-1980, Resident Data 17
8. Leading Causes of Death by Sex and Age Groups, Wisconsin 1980, Resident Data 18
9. Live Births and Deaths by County, Wisconsin 1971-1975 & 1976-1980, Resident Data 23

*10. Selected Vital Events, Rates and Percent Occurring in Hospital by White and Nonwhite, 1980, Resident Data

*11. Vital Statistics by Month of Occurrence, 1980, Resident and Occurrence Data

*12. Vital Statistics Summary, by County, Wisconsin, 1980, Resident and Occurrence Data

*13. Vital Statistics Summary, by Health Service Areas, 1980, Resident and Occurrence Data

NATALITY

14. Live Births by County, and Live Births by Wedlock Status, by Race and Sex, 1980, Resident Data 31

*15. Live Births by County, White & Nonwhite, by Age of Mother, 1980, Resident Data

*16. Live Births by Birthweight Group, by Age of Mother, White and Nonwhite & Out-of-Wedlock Live Births, by Age of Mother, White & Nonwhite, 1980, Resident Data

17. Live Births by Birth Order, White & Nonwhite, by Age of Mother, 1980, Resident Data 32

*18. Live Births by Age of Parents, 1980, Resident Data

*19. Live Births by Birth Order, White & Nonwhite, by Birthweight & Sex, 1980, Resident Data

20. Live Births by Education of Mother, by Gravidity, by Age of Mother, 1980, Resident Data 35

*20a. Live Births by Education of Mother, by Parity, by Month Prenatal Care Began, 1980, Resident Data

21. Live Births of Children Born with Reported Congenital Anomalies, by Age of Mother, 1980, Resident Data 36

TABLE OF CONTENTS (Continued)

Table No.		Page No.
	NATALITY	
*22.	Live Births by Birthweight: Infant Deaths by Age & Birthweight: Fetal Deaths by Weight: Maternal Deaths; & Total Deaths; by Co. & by Hospital, 1980, Occurrence Data	
23.	Live Births, Fetal Deaths, Deaths, and Infant Deaths by County, Selected MCD's and Balance of County, 1980, Resident and Occurrence Data	37
*23a.	Live Births, Infant Deaths, Neonatal Deaths, Fetal Deaths by Premature and Term, by County, Selected MCD's and Balance of County, 1980, Resident and Occurrence Data	
25.	Fetal and Infant Deaths by Birthweight Group and Age of Mother, White and Nonwhite, 1980, Occurrence Data	48
	MORTALITY	
*26.	Fetal Deaths by Cause, by Birthweight, 1980, Occurrence Data	
*27.	Maternal Deaths by Cause, & Age of Mother, White & Nonwhite, 1980, Resident Data	
28.	Deaths by Major Causes, by County, 1980, Resident Data	49
*29.	Deaths by County, by Age and Sex, 1980, Resident Data	
*29b.	Deaths by County, by Sex, by Month, 1980, Resident Data	
30.	Deaths by Major Causes, Sex and Race, 1980, Resident Data	55
*31.	Deaths by Individual Causes, 1980, Resident Data	
32.	Deaths by Causes, Age and Sex, 1980, Resident Data	56
*33.	Deaths by Major Causes, Age, White and Nonwhite, 1980, Resident Data	
34.	Accidental Deaths by Cause; Age and Sex, 1980, Occurrence Data	62
*34a.	Accidental Deaths by Age and Type of Accident (Classified According to National Safety Council Definitions), 1980, Occurrence Data)	
*35.	Deaths from Accidents,Poisonings & Violence,by Cause,by County, 1980, Occurrence Data	
*36.	Deaths from Cancer by Site, Age and Sex, 1980, Resident Data	
*37.	Deaths from Cardiovascular Renal Disease, by Cause, Age & Sex, 1980, Resident Data	
*38.	Deaths by Month, by Major Cause, 1980, Resident Data	
*39.	Deaths by Age, Sex, & Marital Status, White & Nonwhite, 1980, Resident Data	
40.	Mortality by Age, Occupation and Sex, 1980, Resident Data	70
*40a.	Cause of Death by Occupation, 1980, Resident Data	
	MORBIDITY	
41.	Cases & Deaths from Reportable Disease by County, 1980, Resident Data	75
*42.	Cases and Deaths from Reportable Disease, 1971-1980, Resident Data	
43.	Cases and Deaths from Reportable Disease by Month, 1980, Resident Data	79
	MARRIAGE AND DIVORCE	
44.	Marriages by County, by Month of Occurrence, 1980	83
*44a.	Divorces and Annulments Granted, by Month & by County, 1980, Occurrence Data	
44b.	Divorces, Annulments & Legal Separations Granted, by County, 1980, Occurrence Data	84
*45.	Marriages by Age & Number of this Marriage of Bride & Groom, 1980, Occurrence Data	
*46.	Marriages by White and Nonwhite and by Age and Previous Marital Status of Bride and Groom, 1980, Occurrence Data	
*47.	Marriages by Age of Bride, by Age of Groom, 1980, Occurrence Data	

INDEX

NUMBERS FOLLOWING SUBJECT HEADINGS REFER TO TABLE NUMBERS

Accidental Deaths - 34, 34a, 35

Age
- at death
  - cancer - 36
  - specific causes - 32
  - major causes - 33
  - county - 29
  - cardiovascular renal heart dis. - 37
  - marital status - 39
  - occupation - 40, 40a
  - white/nonwhite - 33, 39
  - sex - 29, 32, 39
- of father at birth - 18
- of mother at birth - 15, 16, 17, 18
- of population - 3, 4

Births
- age of father - 18
- age of mother - 15,16,17,18,20,21,
- cities - resident - 23, 23a
  occurrence - 23
- congenital malformations - 21
- counties-resident-9,12,14,15,22,23,23a
  occurrence - 22, 23
- education of mother - 20, 20a,
- gravidity (pregnancies) - 20
- health service areas - 13
- hospital deliveries - 10
- hospitals - 22
- month - 11,
- order - 17, 19
- parity(no. of children) - 20a
- premature(birthweight)-10,16,19,22,23a
- prenatal care began - 20a
- race - 14,
- rate - 7
- sex - 14, 19
- towns - resident - 23, 23a
  occurrence - 23
- villages - resident - 23, 23a
  occurrence - 23
- white/nonwhite - 10, 15, 16, 17, 19

Birth Order - 17, 19

Cancer Deaths - 36

Cardiovascular - renal deaths - 37

Cause of Death
- specific causes - 31, 32
- major causes - 12,13,28,30,33,38
- accidents - 34, 34a, 35
- age - 8, 32, 33
- cancer - 36
- cardiovascular renal - 37
- county - 12, 28
- infant - 32, 33
- fetal - 26
- maternal - 27
- month - 38
- race - 30
- white/nonwhite - 33

Cities
- births - resident - 23, 23a
  occurrence - 23
- deaths - resident - 23, 23a
  occurrence - 23
- fetal deaths -occurrence-23, 23a
- infant deaths - resident - 23, 23a
- neonatal deaths - resident - 23a
- premature births - 23a

Communicable Diseases
- cases - 41, 42, 43
- counties - 41
- deaths - 41, 42, 43
- months - 43
- year (1970-1979) - 42

Counties
- accidental deaths - 35
- age at death - 29
- age of mother at birth - 15
- age of population - 3
- births, resident - 9,14,15,23,23a
  occurrence - 22, 23
- cause of death - 12, 28
- communicable diseases,
  cases & deaths - 41
- deaths, resident -9,23,29,29b
  occurrence - 23
- fetal deaths,
  occurrence -22, 23, 23a
- hospital events - 22
- infant deaths,resident-23,23a
  occurrence -22,23
- maternal deaths,occurrence - 22
- neonatal deaths,resident - 23a
  occurrence - 22
- population - 1, 3
- birthweight - 23a
- vital events summary - 12
- marriages - 44
- divorces - 44a, 44b

Deaths
- accidental 34, 34a, 35
- age at - 8, 29, 32, 33, 39, 40
- cancer - 36
- cardiovascular renal - 37
- causes of, major-28,30,33,38
- causes of, specific-31,32,40a,41
- cities - 23
- communicable diseases-41,42,43
- counties - 9, 12, 22, 23
  28, 29, 29b
- fetal - 10, 11, 22, 23,
  23a, 25, 26
- fetal death rate - 7
- hospitalized - 10
- hospitals - 22
- infant - 10, 11, 22, 23, 23a, 25
- infant death rate - 7
- leading causes - 8
- marital status - 39
- maternal - 10, 11, 12,
  13, 22, 27
- maternal death rate - 7

Deaths (continued)
- month - 11, 29b, 38
- neonatal - 10, 23a, 25
- occupation - 40, 40a
- race - 30
- rate - 7
- sex - 8, 29, 30, 32,
  39, 40
- towns - 23, 23a
- villages - 23, 23a
- white/nonwhite - 33, 39

Death Rates
- age - 8
- cause - 8
- sex - 8

Divorces
- counties - 44b
- month - 44a
- rate - 7

Fetal Deaths
- age of mother - 25
- cause - 26
- city - 23
- county - 12, 22, 23, 23a
- hospitalized - 10
- hospitals - 22
- weight - 11, 22, 23a,
  25, 26
- month - 11
- out-of-wedlock - 10
- white/nonwhite - 25
- rate - 7

Hospitalization
- vital events - 10

Health Service Areas
- cause of death - 12, 13
- vital events summary-12,13

Hospitals
- infant deaths - 22
- births - 22
- counties - 22
- deaths - 22
- fetal deaths - 22
- infant deaths - 22
- maternal deaths - 22

Illegitimate Births
See: Out-of-Wedlock Births

NUMBERS FOLLOWING SUBJECT HEADINGS REFER TO TABLE NUMBERS

Infant Deaths
- age at death - 11, 22, 25
- age of mother - 25
- birthweight - 22, 23a, 25
- city - 23a
- county - 22, 23a
- hospitalization - 10
- hospitals - 22
- month - 11
- towns - 23, 23a
- villages - 23, 23a
- white/nonwhite - 25
- rate - 7

Life Tables - 5, 6

Marriages
- age of bride - 45, 46, 47
- age of groom - 45, 46, 47
- counties - 44
- month - 44
- number of present marriage - 45
- previous marital status - 46
- race - 46
- rate - 7

Maternal Deaths
- age at death - 27
- cause - 27
- county - 12, 22
- hospitalized - 10
- hospitals - 22
- month - 11
- white/nonwhite - 27
- rate - 7

Month
- births - 11
- cause of death - 38
- communicable diseases - 43
- deaths - 11
- divorces - 44a
- fetal deaths - 11
- infant deaths - 11
- marriages - 44
- maternal deaths - 11
- neonatal deaths - 11

Neonatal Deaths
- age of mother - 25
- birthweight - 22, 23a
- city - 23a
- county - 23a
- hospitalization - 10
- hospitals - 22
- months - 11
- towns - 23a
- villages - 23a
- white/nonwhite - 25

Occupation
- age - 40
- cause of death - 40a
- sex - 40

Out-of-Wedlock Births
- age of mother - 16
- sex - 14
- fetal deaths - 10
- hospitalization - 10
- infant deaths - 10
- neonatal deaths - 10
- race - 14
- white/nonwhite - 16

Population
- age groups - 3, 4
- counties - 1, 3
- growth - 2
- state totals, 1910-1979 - 7

Towns
- births - resident - 23, 23a
  occurrence - 23
- deaths - resident - 23, 23a
  occurrence - 23
- fetal deaths - occurrence - 23, 23a
- infant deaths - resident - 23, 23a
  occurrence - 23
- neonatal deaths - resident - 23a

Villages
- births - resident - 23, 23a
  occurrence - 23
- deaths - resident - 23, 23a
  occurrence - 23
- fetal deaths - occurrence - 23, 23a
- infant deaths - resident - 23, 23a
  occurrence - 23
- neonatal deaths - resident - 23a

White/Nonwhite
- age at death - 33, 39
- age of mother at birth - 15, 16, 17
- births - 14, 15, 16, 17, 19
- birth order - 17, 19
- birthweight - 16, 19
- cause of death - 30, 33
- deaths - 30, 33
- fetal deaths - 25
- infant deaths - 25
- maternal deaths - 27
- marital status at death - 39
- neonatal death - 25
- out-of-wedlock births - 14, 16
- sex at birth - 14, 19
- sex at death - 30, 39

Race
- births - 14
- deaths - 30

INTRODUCTION

The Bureau of Health Statistics of the State Division of Health is charged by law with the dual responsibility of maintaining an effective system of vital registration and of making vital statistics available to public and private agencies and to the public at large. A chart depicting the collection process appears on the last page of this book. Within the Division of Health these statistics are necessary for evaluating and developing programs that will improve the health of the people of Wisconsin. The data are also widely used for estimating population characteristics and changes.

Each county is a primary registration district for vital events for the rural areas, villages and towns. The Register of Deeds' office is, according to the Statutes, the place for filing of birth, death and marriage records from these areas. In addition, cities, as defined by Wisconsin Statutes, may also serve as primary registration districts with the local health officer serving as the local registrar. Cities have the option of turning the function over to the county register of deeds. Copies of the original records are maintained in the local offices and the original record is forwarded to the State Section of Vital Statistics.

Legal responsibility for preparation and filing birth records is that of the attending physician or other person in attendance. Because nearly all births occur in hospitals, most of the information obtained on the birth certificate is recorded by hospital personnel.

The funeral director has legal responsibility for obtaining information on death certificates and for filing the records with the local registrar. The funeral director also completes fetal death reports. The physician in attendance, coroner or medical examiner is responsible for certifying the cause of death and medical information on the certificate.

Applications for marriage licenses are made in the office of the county clerk. The marriage certificate is completed by the officiant - civil or religious - who has the responsibility of forwarding the original certificate to the local registrar.

Locally the divorce certificate is the responsibility of the clerk of court where the divorce decree is granted. The county clerk of court retains the records of the court, has the necessary information transcribed to the divorce certificate and forwards it to the Section of Vital Statistics.

The Section of Vital Statistics maintains a permanent respository for original records of birth, death, marriage and transcripts of divorce. The statistics in this volume include vital records for the year 1980 that were filed in the Section of Vital Statistics before March 31, 1981. In addition to vital events occurring in Wisconsin, the Section files transcripts of birth certificates for children born outside of Wisconsin to a mother who is a resident of the state. Death certificates for persons who are residents but die outside of the boundaries of Wisconsin are also included.

Wisconsin began using Automated Classification of Medical Entities (ACME) in 1972. Multiple cause mortality statistics have considerable potential for research and health program evaluation.

TECHNICAL NOTES

Definitions

Residence	Usual place of residence of person to whom event occurred. For births and fetal deaths, residence is defined as the mother's place of residence.
Occurrence	Place where the event occurred.
Minor Civil Division	In Wisconsin, Minor Civil Divisions are the local level of civil government. Cities, villages and towns both exhaust the area (there are no unorganized residual areas) and are exclusive (none overlaps another though one may surround another).
Race	Race for mother, father, or decedent is as stated on certificate. Race of child is determined from the race of the parents.
Deliveries	Live births plus reported fetal deaths
Live Birth	A live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
Fetal Death	Death prior to the complete expulsion or extraction from its mother of a product of conception; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Only fetal deaths of at least 20 weeks of gestation must be reported in Wisconsin. A fetal death report is NOT to be used for induced abortions.
Infant Death	Death occurring to live born individual of less than 1 year of age.
Neonatal Death	Live born infant who dies before completing four weeks (28 days) of life.
Out-of-Wedlock Birth	Birth wherein there is no marital tie between mother and father.
Birthweight	Weight of fetus or infant at time of delivery (normally recorded in pounds and ounces or in grams).
Premature Births	Products of conception weighing less than five pounds, nine ounces (2,500 grams or less) at delivery or expulsion.
Maternal Deaths	Those wherein the physician has designated a maternal condition as the underlying cause of death.
Underlying Cause of Death	That condition giving rise to the chain of morbid events leading to death, or the circumstances of the accident or violence that produced the fatal injury.
Associated Cause of Death	Condition other than the underlying cause of death which may have contributed to the death.

Rates

Birth Rate	= No. of Resident Live Births / Total Resident Population	x 1,000
Age-Specific Fertility Rate	= No. of Resident Live Births for a Specific Age of Mother / Total Female Population of Specific Age	x 1,000
Death Rate	= No. of Resident Deaths / Total Resident Population	x 1,000
Fetal Death Rate	= No. of Resident Fetal Deaths / Total Resident Live Births and Resident Fetal Deaths	x 1,000
Infant Death Rate	= No. of Infant Deaths / Total Resident Live Births	x 1,000
Neonatal Death Rate	= No. of Neonatal Deaths / Total Resident Live Births	x 1,000
Out-of-Wedlock Ratio	= No. of Out-of-Wedlock Births (Resident) / Total Resident Live Births	x 1,000
Maternal Death Rate	= No. of Maternal Deaths / Total Resident Live Births	x 100,000
Age-Specific Death Rate	= No. of Deaths in Specific Age Group / Total Resident Population in Specific Age Group	x 100,000
Cause-Specific Death Rate	= No. of Deaths from Specific Cause / Total Resident Population	x 100,000
Communicable Disease Case Rate	= No. of Reported Cases (Specific Communicable Disease) / Total Resident Population	x 100,000
Marriage Rate	= No. of Marriages Performed / Total Resident Population	x 1,000
Divorce Rate	= No. of Divorces and Annulments Granted / Total Resident Population	x 1,000
Population Denominators	= Mid-calendar year estimates	
Event Denominators	= Are registered totals for the calendar year	

BIRTH AND DEATH CERTIFICATES

Type or Print in Permanent Black Ink

FORM No. VS-1
2/88M-REV 1-78

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

STATE FILING DATE
STATE BIRTH NO.

ORIGINAL CERTIFICATE OF LIVE BIRTH

148-

Reserved for coding

Non-Hospital Birth Code

Out of State Residence Code

Husband's Race

Mother's Race

Medical Codes

LOCAL FILE NUMBER

CERTIFIED COPY

SHORT FORM COPY

CHILD

CERTIFIER

MOTHER

HUSBAND

DO NOT INCLUDE ON CERTIFIED COPY

1 CHILD NAME (First, Middle, Last) | SEX (Male, Female) | DATE OF BIRTH (Month, Day, Year) | HOUR

4 NAME OF HOSPITAL (If not in hospital, describe location or give address) | COUNTY OF BIRTH | CITY, VILLAGE OR TOWNSHIP | INSIDE CITY OR VILLAGE LIMITS (Yes, No)

I certify that the stated information concerning this child is true to the best of my knowledge and belief.

6a SIGNATURE | DATE SIGNED (Month, Day, Year) | ATTENDANT (1. M.D., 2. D.O., 3. Midwife, 4. Other) | SAME AND TITLE IF OTHER THAN CERTIFIER

6b CERTIFIER NAME AND TITLE (Type or Print) | MAILING ADDRESS (Street or R.F.D. No., City or Vill., State, Zip)

8a REGISTRAR SIGNATURE | 8b DATE RECEIVED BY LOCAL REGISTRAR (Month, Day, Year)

10a MOTHER MAIDEN NAME (First, Middle, Last) | AGE (At time of birth) | 10c STATE OF BIRTH (If not in U.S., name country) | 10d RESIDENCE STATE

11a RESIDENCE COUNTY | 11b RESIDENCE CITY, VILLAGE OR TOWNSHIP | 11c INSIDE CITY OR VILLAGE LIMITS (Yes, No) | 11d MOTHER'S MAILING ADDRESS (If no Birth Registration Notification) (Street or R.F.D., City or Village of P.O., State, Zip)

12a HUSBAND NAME (First, Middle, Last) | 12b AGE (At time of birth) | 12c STATE OF BIRTH (If not in U.S., name country) | 12d City/Village of P.O., State, Zip

I certify that the information provided on this certificate is correct to the best of my knowledge and belief.

13a SIGNATURE - PARENT OR OTHER INFORMANT | 13b RELATION TO CHILD

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

HUSBAND

MOTHER

14a RACE (Specify White, Black, Hispanic, American Indian, etc.) | 14b EDUCATION (Highest Grade Completed) Elementary or Secondary (0-12) | College (1-4 or 5+)

15a PREVIOUS PREGNANCIES: LIVE BIRTH (Exclude this child) Now Living, Now Dead | 15b DATE OF LAST LIVE BIRTH (Month, Year)

16a RACE (Specify White, Black, Hispanic, American Indian, etc.) | 16b EDUCATION Elementary or Secondary (0-12) | College (1-4 or 5+)

17a OTHER TERMINATIONS (Spontaneous or Induced) Less Than 20 Weeks Gestation | 17b 20 Weeks or More Gestation | DATE OF LAST OTHER TERMINATION (Month, Year)

18 DATE LAST NORMAL MENSES BEGAN (Mo. Day, Year) | 19a MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9 of pregnancy, trimester not accepted) | TOTAL NUMBER OF PRENATAL VISITS | 20 IS MOTHER MARRIED? (Yes, No) | BIRTHWEIGHT (Grams or Lbs. Oz.)

22 COMPLICATIONS OF PREGNANCY (Describe or write "None") | CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "None")

23 COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "None") | CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "None")

24 WAS PROPHYLACTIC USED IN EYES? (Yes, No) | 27a WAS PKU TEST PERFORMED? (Yes, No) | 27b REASON PKU TEST NOT PERFORMED | 25 APGAR SCORE (1 minute, 5 minutes) | 26 TYPE OF DELIVERY (Not including Episiotomy): 0. Spontaneous; 1. Breech; 2. Manipulation without instruments; 3. Forceps, Low; 4. Forceps, Mid and High; 5. Other Surgical or Instrumental; 6. Caesarean, Low Cervical; 7. Caesarean, Classical; 8. Caesarean, Other; 9. Other (Specify Below)

22a THIS BIRTH (Single, twin, triplet, etc.) | 29b IF NOT SINGLE BIRTH (Born first, second, third, etc.) | 30 IF INFANT DIED, ENTER BELOW (Month, Day, Year) (Died) | 31

Sample

Type or Print in Permanent Black Ink

FORM No. VS-13
10/86-REV. 1-78

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND SOCIAL SERVICES

STATE FILING DATE
STATE DEATH NO.

ORIGINAL CERTIFICATE OF DEATH

LOCAL FILE NUMBER

DECEDENT

PARENTS

INFORMANT

BURIAL

CERTIFICATION

REGISTRAR

CAUSE

ACCIDENT

Accident U.C.O.D.

National Safety Council Codes

1 DECEDENT NAME (First, Middle, Last) | SEX (Male, Female) | 2 DATE OF DEATH (Month, Day, Year)

4 RACE (e.g., White, Black, Hispanic, American Indian, etc.) | 5a AGE (Last Birthday) (Years) | UNDER 1 YEAR (5b Mos., Days) | UNDER 1 DAY (5c Hours, Mins.) | 6 DATE OF BIRTH (Month, Day, Year) | 7a COUNTY OF DEATH | 7b INSIDE CITY OR VILLAGE LIMITS (Yes, No)

7c CITY, VILLAGE OR TOWNSHIP OF DEATH | 7d HOSPITAL OR OTHER INSTITUTION - Name (If not one of these, give street and number) (Hospital, Nursing home, Other (Specify)) | 7e IF HOSP OR INST (DOA, OP Emer Rm, Inpatient)

8 STATE OF BIRTH (If not in U.S.A., name country) | 9 CITIZEN OF WHAT COUNTRY | 10 MARITAL STATUS (1. Married, 2. Separated, 3. Divorced, 4. Never Married, 5. Widowed) | 11 SURVIVING SPOUSE (If wife, give maiden name) | 12 WAS DECEDENT EVER IN U.S. ARMED FORCES? (Yes, No)

13 SOCIAL SECURITY NUMBER | 14a USUAL OCCUPATION (Give kind of work done during most of working life, even if retired) | 14b KIND OF BUSINESS OR INDUSTRY

15a RESIDENCE STATE | 15b COUNTY | 15c CITY, VILLAGE OR TOWNSHIP OF RESIDENCE | 15d INSIDE CITY OR VILLAGE LIMITS | 15e STREET AND NUMBER

16 FATHER NAME (First, Middle, Last) | 17 MOTHER NAME (First, Middle, Last)

18a INFORMANT NAME (Type or Print) | 18b MAILING ADDRESS (Street or R.F.D. No., City or Village, State, Zip)

19a (1. Burial, 2. Cremation, 3. Entombment, 4. Removal, 5. Other) | 19b CEMETERY OR CREMATORY | 19c LOCATION (City or Village, State)

20a FUNERAL SERVICE LICENSEE Or Person Acting As Such (Signature) | 20b NAME OF FACILITY | 20c ADDRESS OF FACILITY (Street or R.F.D. No., City or Village, State, Zip)

21a To be Completed by CERTIFYING PHYSICIAN Only: To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated. Signature and Title

21b DATE SIGNED (Month, Day, Year) | 21c HOUR OF DEATH

21d NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)

23a To be Completed by MEDICAL EXAMINER or CORONER Only: On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to S/S cause(s) stated. Signature and Title

22b DATE SIGNED (Month, Day, Year) | 22c HOUR OF DEATH

PRONOUNCED DEAD (Hour)

22d NAME AND ADDRESS OF CERTIFIER (PHYSICIAN, MEDICAL EXAMINER OR CORONER) (Type or Print)

24a Signature | 24b DATE RECEIVED BY REGISTRAR (Month, Day, Year)

25 PART I - IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) | Interval between onset and death

(a) Conditions if any which gave rise to immediate Cause stating the underlying cause last | DUE TO, OR AS A CONSEQUENCE OF | Interval between onset and death

(b) DUE TO, OR AS A CONSEQUENCE OF | Interval between onset and death

(c) PART II - OTHER SIGNIFICANT CONDITIONS-Conditions contributing to death but not related to cause given in PART I (a) | 26 AUTOPSY (Yes, No) | 27 WAS MEDICAL EXAMINER OR CORONER NOTIFIED? (Yes, No)

28a (1. Accident, 2. Suicide, 3. Homicide, 4. Undet., 5. Pend. Invest.) | 28b DATE OF INJURY (Month, Day, Year) | 28c HOUR OF INJURY | 28d DESCRIBE HOW INJURY OCCURRED

28e INJURY AT WORK (Yes, No) | 28f PLACE OF INJURY (At home, farm, street, factory, office building, etc.) (Specify) | 28g LOCATION (Street or R.F.D. No., City or Village, State)

Sample

BEST AVAILABLE COPY

Qualifications and Limitations of Data and Calculations

Completeness of Registration

The Bureau of Census assisted in a test of completeness of registration of births in connection with the 1950 census. Registration completeness was 99.6 percent of all births. It is assumed that this relatively complete registration has continued since that time.

Although no test of death registration has been completed, it is assumed that death registration is reasonably complete since burial permit laws and regulations require the filing of a death certificate before a burial permit for the disposition of a body is issued.

Fetal death reporting requires reports for all fetuses of 20 weeks gestation and over. No test for completeness of registration has been done. It is recognized, however, that fetal deaths are likely to be less well reported than other vital events.

Infant Death Data

Notification of infant death is obtained from the regular death certificate. However, much information relevant to the circumstance of infant death is found on the birth certificate. Birth and death records have, therefore, been matched to produce a composite infant death file, which is the source of Tables 22, 23a and 25. Infant death data for tables 11, 12, and 13 are created from the general death file. Table 10 is derived from both sources, as noted on the table. Discrepancies between these two sources are minimal, however, usually involving fewer than ten deaths.

Geographic Classification

In most tables, geographical classifications are limited to county breakdowns. The term "urban" used in some summary tables refers to the sum of those incorporated places having a population of 2,500 or more in the 1980 census. It should be particularly noted that this does not correspond to the official Census Bureau usage since it excludes those portions of urbanized areas that are unincorporated and/or under 2,500 population. Similarly "balance of county" should not be construed as "rural". Tables 23 and 23a lists cities, towns, and villages of 2,500 or more population. All others are summed in balance of county.

Events are assigned to geographical areas according either to place of residence or to place of occurrence. The basis for classification is identified in each table and should be carefully observed when extracting information.

- "Resident Data" means events have been assigned to the area where the person lives (usually legal residence) regardless of where they occurred. In the case of infant deaths and births, the reference is to the residence of the mother. It should be noted that in the case of infant deaths, the place of residence at death may differ from the place of residence at birth; when special tabulations are prepared from both birth and death certificates, it is important to note to which residence category they were assigned. The published tables referred to above under "Infant Death Data" are all based on residence at death.

● "Occurrence Data" means tabulation according to where the events took place, regardless of the usual residence of the person. Since nearly all births and most deaths take place in hospitals, the number which occur in the six counties without hospitals is small. Likewise, the number of occurrences in counties with many hospitals will be large for this reason alone. The six Wisconsin counties in which no hospital is located are:

Florence	Marquette
Forest	Menominee
Iron	Pierce

Comparability in Cause-of-Death Statistics

There are two major limitations in interpreting changes in cause-of-death statistics. Changes in diagnostic practice may affect the comparability of such statistics over time, as do changes in nomenclature and in the classification scheme. The International Classification of Diseases is revised approximately every ten years to incorporate advances in medical science and to reflect changing medical opinion and practice. In Wisconsin, the Sixth Revision was used from 1949-1957, the Seventh Revision from 1958-1967, the Eighth Revision from 1968-1978, and the ninth revision adopted in 1979.

Mortality statistics in this report are thus based on the Ninth Revision, (Adapted for use in the United States--ICD 9). These data represent the causes of death as determined by the medical certifier, i.e., the attending physician or coroner. The underlying cause is defined as "the disease or injury which initiated the train of morbid events, leading directly to death" (ICDA, Eighth Revision, 1968, vol. 1, page xxix). Prior to 1973, when two or more causes were jointly recorded, the coder in the Bureau of Health Statistics selected the underlying cause using the ancillary information provided on the death certificate by the physician. Beginning in 1973, however, all causes mentioned on the certificate are coded, and the underlying cause is determined using computer procedures.

The introduction of the concept of "underlying" cause in 1949 with the Sixth Revision resulted in a basic change in the classification of death that would seriously affect the interpretation of mortality trends before and after 1949. Under the first five revisions of the International Classification, prior to 1949, causes of death were coded on the basis of priority tables for multiple causes, as set forth in The Manual for Joint Causes of Death. Comparability ratios based on the Fifth and Sixth Revisions were published by the National Center for Health Statistics, (Vital Statistics-Special Reports, Vol. 51, No. 3). The Seventh Revision was essentially a clarification of the Sixth Revision.

The Eighth Revision introduced some major modifications in classification lists and coding procedures that created a need for comparability ratios for some causes of death when comparisons are made before and after 1968. A study of this problem at the National Center for Health Statistics reveals many small discontinuities and several serious interpretation problems.[2] The Ninth Revision made further modifications in the classification lists and again created a need for comparability ratios for some causes of death when comparisons are made using 1979 or later data. In comparison studies, the following should be noted:

- For Diseases of the Heart, the 9th Revision does not include all diseases of the circulatory system as did the 8th.

- For Cerebrovascular Disease, the diseases included in the 9th are basically the same as those for the 8th. It should be noted that terminology changed from the 7th to the 8th. Under the 7th Revision, it was called Vascular Lesions Affecting the Central Nervous System and was listed under Diseases of the Nervous and Sense Organs. For the 8th and 9th Revision, these diseases are listed under Diseases of the Circulatory System.

- For conditions originating in the perinatal period, the 9th Revision has been completely restructured to provide for current medical ideas on these conditions as much progress has been made in recent years. The 9th Revision provides much greater specificity.

For major changes between the 7th and 8th Revision, please refer to Wisconsin Public Health Statistics, 1978.

Small Frequencies

The numbers of births or deaths reported for a community represent complete counts of these events. As such, they are not subject to sampling error or variation, although they are subject to errors in the collection and processing procedures. However, when the figures are used for comparison of frequencies and rates over a time period or for different areas, the number of events that actually occurred may be considered as one of a large series of possible results that could have arisen under the same circumstances. The probable range of values may be estimated from the actual figures according to certain statistical assumptions (Vital Statistics for the U.S., Vol. 1, 1959, p. 1-20). Frequencies of and rates based on fewer than 20 deaths are therefore omitted from this report because they are subject to large random fluctuations. The number "20" is arbitrary, however, and is not set forth as a critical point distinguishing statistically reliable rates.

Rates

In interpreting the conditions described by vital statistics rates, considerable caution must be observed. In particular, differences in rates from time to time or place to place may arise from a number of population differences and other confounding factors, and appropriate techniques (e.g. standardization) should be utilized in such comparisons.

2). A. Joan Klebba, Comparability of Mortality Statistics for the 7th and 8th Revisions of the International Classification of Diseases, United States--DHEW Publication No. (HRA) 76-1340.

Population

POPULATION

The vital events tabulated in this report would be stripped of most of their public health meaning without knowledge of the population to whom the events occurred. This section is intended to provide some background for context in the analysis and interpretation of the vital statistics.

In the first census after statehood the Wisconsin population just over 300,000, 1.3% of U. S. in 1950. The proportion of the U. S. rose by 1870 to 2.7% when 1,055,000 were counted. In 1900 when 2,069,000 were reported, the proportion remained at 2.7%. Since 1900 the proportion has gradually declined to 2.1% in 1980, when the tally was more than 4,705,000.

Intercensal rates of growth have ranged during this century from 6.5% in the 1970's and 6.8 in the 1930's to 15.1% in the 1950's. The variation is largely accounted for by extremes of fertility.

The population growth in the 1970's was smaller than in any decade since the 1930's. Live births were 110,000 fewer in the 1970's than in the 1960's and 156,000 fewer than in the 1950's. Deaths on the other hand were 50,000 more in the 1970's than the 1960's and 94,000 more than in the 1950's. Net outmigration was negligible in both the 1960's and 1970's after having been substantial from the 1930's through the 1950's.

The most useful population characteristics for vital statistics are age, sex, race, and geographic distribution. The recent changes in age-sex distribution are graphically summarized in Figure 2. In the 1970's the under 15 population declined as a proportion of the total from 30% in 1970 to 23% in 1980, the lowest proportion in this century (or probably ever).

The children of the baby boom are now 15 through 34 and remain the demographic "pig in the python." The inter-war birth cohorts are now in the forties and fifties. The pre-World War I generation are now our elderly. From 1.6% in 1900, the seventy-five and older increased their share of the total to 2.5% in 1940, 3.5 in 1960 and now 5.0% in 1980.

In most circumstances the sex ratio (males per 100 females) changes only gradually. More males are live born than females. At all ages, however, differential mortality produces greater female survivorship. By age 95 and older there are fewer than 36 males per hundred females. In Wisconsin the effect of predominantly male inmigration was to give us higher sex ratios in earlier censuses: in 1910, 107; in 1940, 104. That effect has largely worked out of the 1980 population.

The racial composition of Wisconsin population remains in 1980 predominantly white (94.4%). Blacks are the second largest group with 182,600, up from 128,000 in 1970. Comparisons over time for other races (Amerindians and Asians) are confounded by cultural changes in self-identification and procedural changes in the taking of the census. In 1980, Amerindians numbered 29,300 (0.6%) and all other races less than 51,000 (1.1%).

Spanish origin population were just under 63,000 in 1980, about two-thirds of Mexican origin, and fewer than 1,000 of Cuban origin. (As an ethnic rather than racial classification, the Spanish origin may be of any race).

The population distribution about the geography of the State underwent significant changes from the traditional southeast migration from rural to urban Wisconsin. Figure 4 maps the net migration among the counties during the 1970's. Net out-migration of sizable numbers affected only Kenosha (2500), Racine (10,500), and Milwaukee (149,000) in the southeast, and Manitowoc (3700) and Winnebago (5000) in the east central. Counties receiving substantial numbers of net in-migrants were Dane (9200) in the south, Eau Claire (7300) and La Crosse (6100) in the west central, and Washington (13,800) and Waukesha (31,000) in the Milwaukee metropolitan area. Nevertheless, smaller counties up-state has spectacular rates of net in-migration: Adams (45.5%) and Marquette (30.6) in the central part, and Sawyer (31.6) and Vilas (51.3) in the North and Burnett (32.8) to the northwest and Florence (25.5) to the northeast.

Figure 1

PERCENT CHANGE IN
WISCONSIN'S POPULATION
BY AGE, 1960-1970

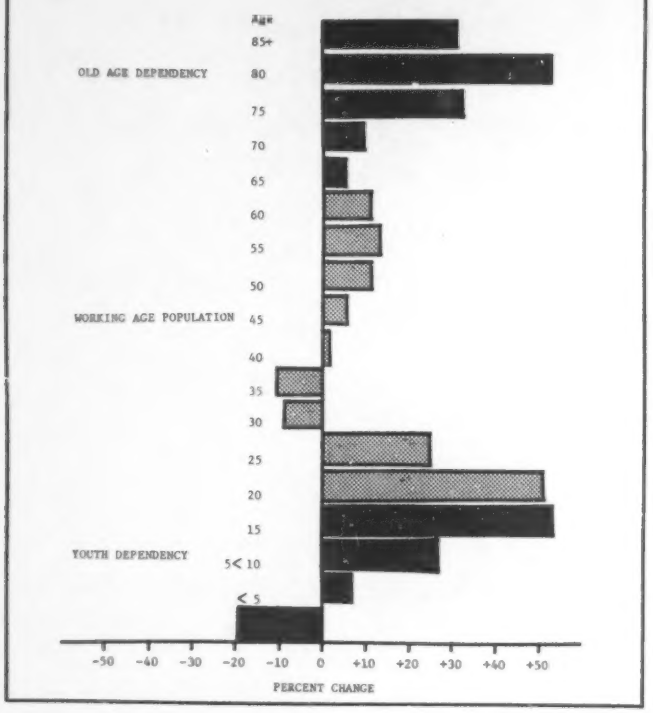


Figure 1a

PERCENT CHANGE IN
WISCONSIN'S POPULATION
BY AGE, 1970-1980

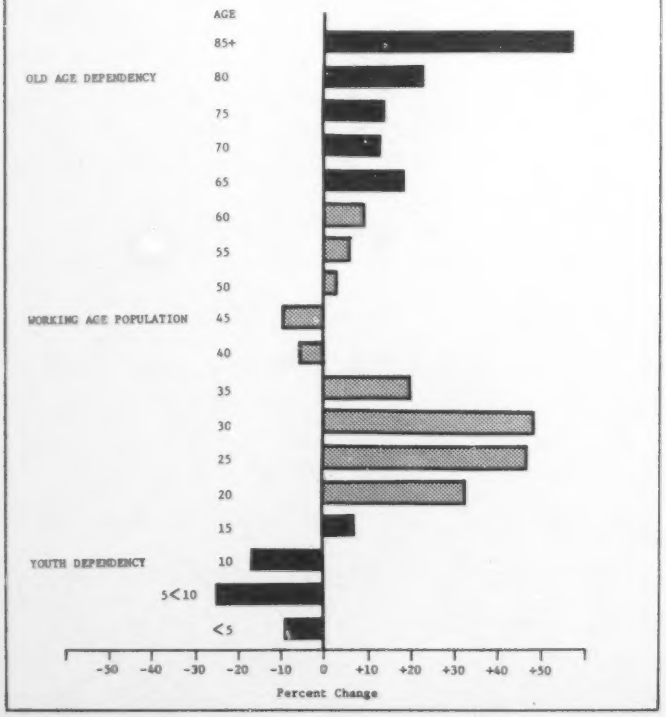


Figure 2. POPULATION PYRAMIDS
Wisconsin, 1930-1980

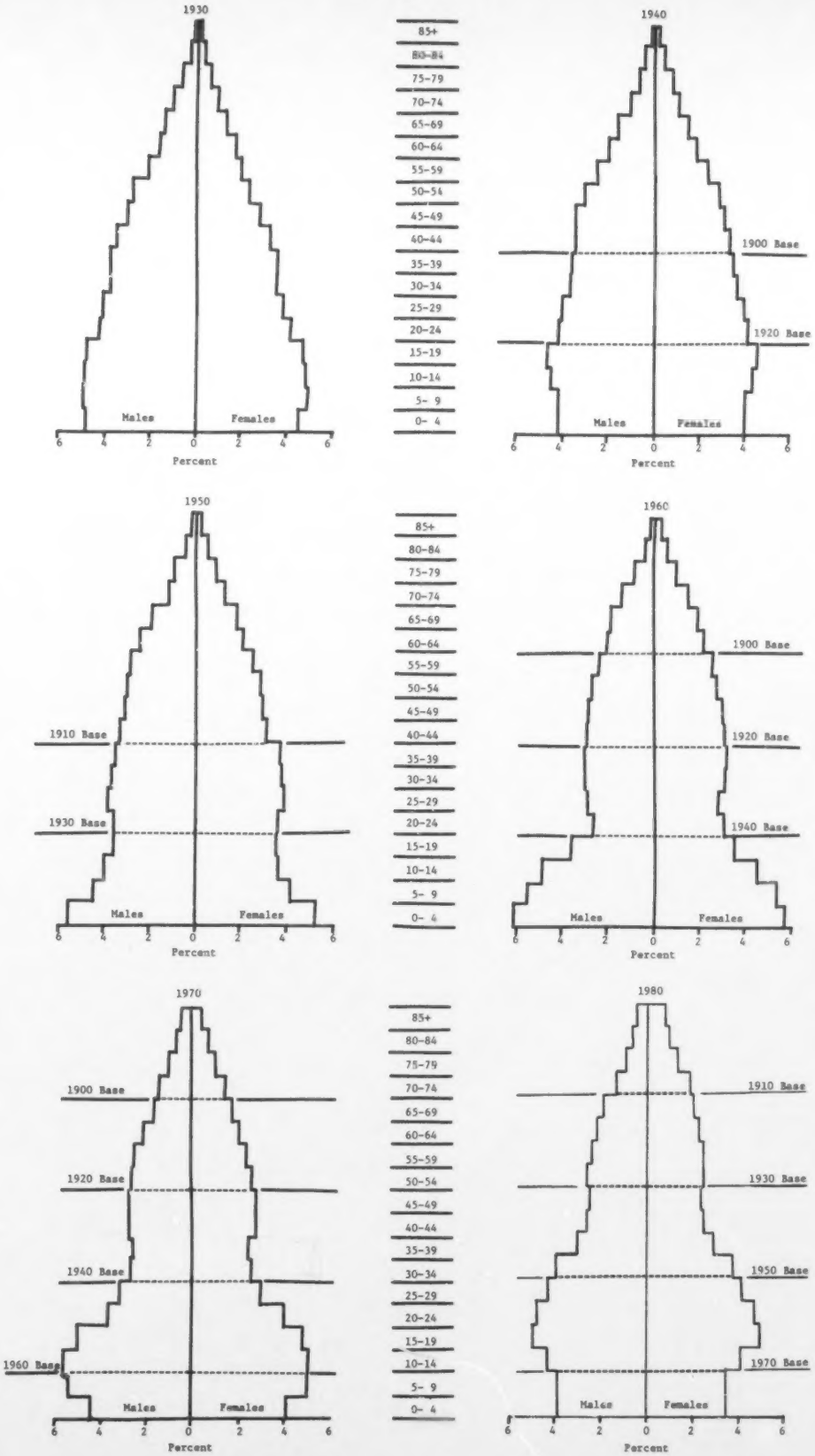


Figure 3. TOTAL POPULATION GROWTH
BY COUNTIES, WISCONSIN - 1970-1980

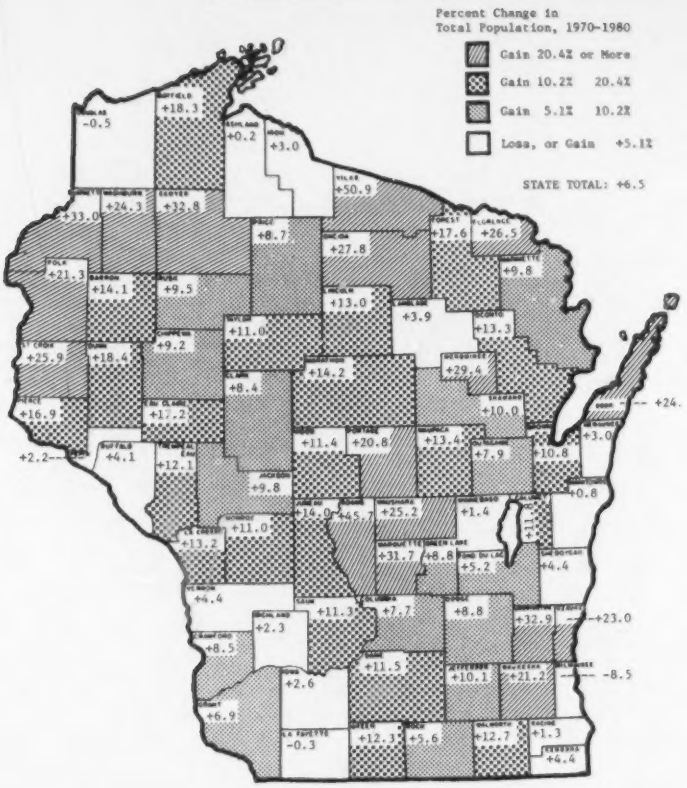


Figure 4. PERCENT CHANGE IN POPULATION DUE TO MIGRATION
BY COUNTIES, WISCONSIN - 1970-1980

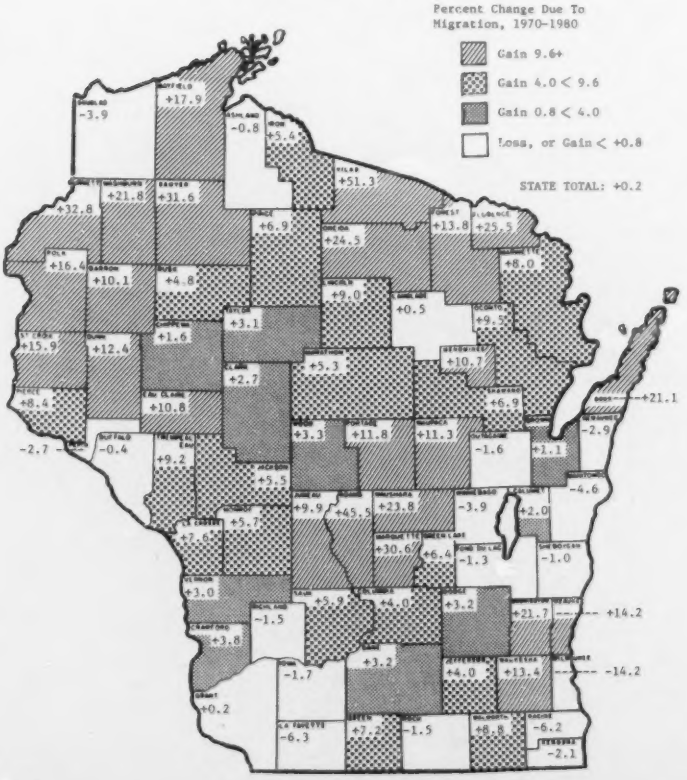


Table 1

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1970 AND 1980
WITH AMOUNT AND RATE OF CHANGE

P. 1 of 2 pages

County	April 1, 1980 U. S. Census			April 1, 1970 U. S. Census	Change from 1970-1980	
	Total	White	Nonwhite		Number	Percent
State Total.....	4,705,767	4,443,035	262,732	4,417,821	287,946	6.5
Adams.....	13,457	13,049	408	9,234	4,223	45.7
Ashland.....	16,783	15,618	1,165	16,743	40	0.2
Barron.....	38,730	38,464	266	33,955	4,775	14.1
Bayfield.....	13,822	12,855	967	11,683	2,139	18.3
Brown.....	175,280	171,224	4,056	158,244	17,036	10.8
Buffalo.....	14,309	14,258	51	13,743	566	4.1
Burnett.....	12,340	11,883	457	9,276	3,064	33.0
Calumet.....	30,867	30,635	232	27,604	3,263	11.8
Chippewa.....	52,127	51,843	284	47,717	4,410	9.2
Clark.....	32,910	32,715	195	30,361	2,549	8.4
Columbia.....	43,222	42,892	330	40,150	3,072	7.7
Crawford.....	16,556	16,486	70	15,252	1,304	8.5
Dane.....	323,545	311,203	12,342	290,272	33,273	11.5
Dodge.....	75,064	73,635	1,429	69,004	6,060	8.8
Door.....	25,029	24,737	292	20,106	4,923	24.5
Douglas.....	44,421	43,481	940	44,657	- 236	- 0.5
Dunn.....	34,314	33,821	493	28,991	5,323	18.4
Eau Claire.....	78,805	77,891	914	67,219	11,586	17.2
Florence.....	4,172	4,138	34	3,298	874	26.5
Fond du Lac.....	88,964	88,181	783	84,567	4,397	5.2
Forest.....	9,044	8,426	618	7,691	1,353	17.6
Grant.....	51,736	51,419	317	48,398	3,338	6.9
Green.....	30,012	29,881	131	26,714	3,298	12.3
Green Lake.....	18,370	18,242	128	16,878	1,492	8.8
Iowa.....	19,802	19,724	78	19,306	496	2.6
Iron.....	6,730	6,681	49	6,533	197	3.0
Jackson.....	16,831	16,266	565	15,325	1,506	9.8
Jefferson.....	66,152	65,272	880	60,060	6,092	10.1
Juneau.....	21,039	20,748	291	18,455	2,584	14.0
Kenosha.....	123,137	117,862	5,275	117,917	5,220	4.4
Kewaunee.....	19,539	19,486	53	18,961	578	3.0
La Crosse.....	91,056	90,159	897	80,468	10,588	13.2
Lafayette.....	17,412	17,355	57	17,456	- 44	- 0.3
Langlade.....	19,978	19,843	135	19,220	758	3.9
Lincoln.....	26,555	26,376	179	23,499	3,056	13.0
Manitowoc.....	82,918	81,994	924	82,294	624	0.8
Marathon.....	111,270	110,488	782	97,457	13,813	14.2
Marinette.....	39,314	39,091	223	35,810	3,504	9.8
Marquette.....	11,672	11,561	111	8,865	2,807	31.7
Menominee.....	3,373	352	3,021	2,607	766	29.4
Milwaukee.....	964,988	788,729	176,259	1,054,249	-89,261	- 8.5
Monroe.....	35,074	34,654	420	31,610	3,464	11.0
Oconto.....	28,947	28,744	203	25,553	3,394	13.3
Oneida.....	31,216	30,949	267	24,427	6,789	27.8
Outagamie.....	128,799	126,115	2,684	119,398	9,401	7.9

Table 1 (Cont.)

WISCONSIN POPULATION BY COUNTIES ENUMERATED IN 1970 AND 1980
WITH AMOUNT AND RATE OF CHANGE

P. 2 of 2 pages

County	April 1, 1980 U. S. Census			April 1, 1970 U. S. Census	Change from 1970-1980	
	Total	White	Nonwhite		Number	Percent
Ozaukee	66,981	66,029	952	54,461	12,520	23.0
Pepin	7,477	7,448	29	7,319	158	2.2
Pierce	31,149	30,863	286	26,652	4,497	16.9
Polk	32,351	32,026	325	26,666	5,685	21.3
Portage	57,420	56,670	750	47,541	9,879	20.8
Price	15,788	15,707	81	14,520	1,268	8.7
Racine	173,132	155,206	17,926	170,838	2,294	1.3
Richland	17,476	17,383	93	17,079	397	2.3
Rock	139,420	133,367	6,053	131,970	7,450	5.6
Rusk	15,589	15,440	149	14,238	1,351	9.5
St. Croix	43,262	43,005	257	34,354	8,908	25.9
Sauk	43,469	43,133	336	39,057	4,412	11.3
Sawyer	12,843	11,416	1,427	9,670	3,173	32.8
Shawano	35,928	34,490	1,438	32,650	3,278	10.0
Sheboygan	100,935	99,526	1,409	96,660	4,275	4.4
Taylor	18,817	18,732	85	16,958	1,859	11.0
Trempealeau	26,158	26,070	88	23,344	2,814	12.1
Vernon	25,642	25,546	96	24,557	1,085	4.4
Vilas	16,535	15,323	1,212	10,958	5,577	50.9
Walworth	71,507	69,841	1,666	63,444	8,063	12.7
Washburn	13,174	13,053	121	10,601	2,573	24.3
Washington	84,848	84,304	544	63,839	21,009	32.9
Waukesha	280,326	276,105	4,221	231,335	48,991	21.2
Waupaca	42,831	42,535	296	37,780	5,051	13.4
Waushara	18,526	18,289	237	14,795	3,731	25.2
Winnebago	131,703	130,100	1,603	129,946	1,757	1.4
Wood	72,799	72,002	797	65,362	7,437	11.4

Table 2

WISCONSIN POPULATION GROWTH DUE TO NATURAL INCREASE AND MIGRATION
1945-1980

Year	Estimated Population July 1, each year	Resident[a] Births	Resident[a] Deaths	Natural Increase (Births minus Deaths)	% gain or loss[b] through migration (total gain minus natural increase)
NOTE: DATA FOR YEARS 1930 THRU 1944 APPEAR IN THE 1979 PUBLIC HEALTH STATISTICS REPORT.					
1945	2,961,000	61,753	31,575	30,178	-1.66
1946	3,167,000	68,223	31,871	36,352	+5.36
1947	3,250,000	79,715	32,522	47,193	+1.10
1948	3,314,000	83,188	32,807	50,381	+0.41
1949	3,391,000	82,499	32,706	49,793	+0.80
1950	3,449,000	82,774	33,225	49,549	+0.25
1951	3,437,000	85,092	33,486	51,606	-1.85
1952	3,463,000	88,381	33,643	54,738	-0.83
1953	3,502,000	88,675	34,364	54,311	-0.44
1954	3,599,000	89,989	34,275	55,714	+1.15
1955	3,666,000	91,952	34,480	57,472	+0.26
1956	3,740,000	92,915	35,374	57,541	+0.44
1957	3,802,000	94,947	36,342	58,605	+0.09
1958	3,863,000	96,174	37,322	58,852	+0.06
1959	3,915,000	97,234	37,312	59,922	-0.20
1960[c]	3,967,000	99,006	37,644	61,362	-0.24
1961	4,014,000	98,965	37,724	61,241	-0.35
1962	4,043,000	96,467	37,829	58,638	-0.73
1963	4,086,000	93,052	39,004	54,048	-0.27
1964	4,151,000	90,258	39,274	50,984	+0.34
1965	4,212,000	85,915	39,509	46,406	+0.35
1966	4,262,000	81,666	40,241	41,425	+0.20
1967	4,303,000	78,105	39,995	38,110	+0.07
1968	4,332,000	75,028	40,489	34,539	-0.13
1969	4,381,000	74,291	41,198	33,093	+0.36
1970	4,425,000	75,890	40,946	34,944	+0.20
1971	4,465,000	74,716	40,600	34,116	+0.13
1972	4,512,000	68,348	41,227	27,121	+0.44
1973	4,518,000	63,758	41,684	22,074	-0.36
1974	4,538,000	63,973	41,052	22,921	-0.06
1975	4,555,000	65,147	40,363	24,784	-0.17
1976	4,578,000	65,093	40,054	25,039	-0.04
1977	4,613,000	66,795	39,759	27,036	+0.17
1978	4,645,000	68,561	39,806	28,755	+0.07
1979	4,680,000	70,892	39,716	31,176	+0.08
1980	4,714,000	73,987	39,974	34,013	0.00
Intercensal Population Increase					
1930-1940	198,581	534,071	307,555	226,516	-0.95
1940-1950	296,988	684,692	318,186	366,506	-2.22
1950-1960	517,202	912,192	350,928	561,264	-1.28
1960-1970	466,044	866,975	393,733	473,242	-0.18
1970-1980	287,946	756,685	444,939	311,746	-0.54

a. Births and Deaths in the upper panel have been recomputed on a Fiscal Year basis (July 1 to June 30) to match midyear population estimates. Births and Deaths in the lower panel have been recomputed to an April 1 to March 31 basis to match Census dates.

b. The percent gain or loss through migration is computed by dividing the number of net migrants by the population at the beginning of the period in hundreds.

c. July 1 estimates, 1961 to 1969 and 1971 to 1979 have been adjusted for the error in previously published estimates revealed in the 1970 and 1980 Censuses.

Table 3

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - CENSUS - APRIL 1, 1980

P. 1 of 2 pages

County	Male	Female	Total	Age			
				0-19	20-34	35-64	65+
State Total.....	2,305,427	2,400,340	4,705,767	1,550,603	1,200,056	1,390,911	564,197
Adams.....	6,993	6,464	13,457	3,795	2,835	4,521	2,306
Ashland.....	8,172	8,611	16,783	5,452	3,674	4,769	2,888
Barron.....	19,086	19,644	38,730	12,705	8,513	11,429	6,083
Bayfield.....	6,977	6,845	13,822	4,388	2,833	4,228	2,373
Brown.....	85,673	89,607	175,280	62,470	47,797	48,190	16,823
Buffalo.....	7,236	7,073	14,309	4,738	3,034	4,244	2,293
Burnett.....	6,097	6,243	12,340	3,733	2,296	4,029	2,282
Calumet.....	15,442	15,425	30,867	11,697	7,398	8,785	2,987
Chippewa.....	25,923	26,204	52,127	18,632	11,998	14,875	6,622
Clark.....	16,591	16,319	32,910	11,661	6,598	9,527	5,124
Columbia.....	21,262	21,960	43,222	13,926	9,496	13,481	6,319
Crawford.....	8,266	8,290	16,556	5,749	3,453	4,836	2,518
Dane.....	158,958	164,587	323,545	97,729	112,660	86,120	27,036
Dodge.....	38,203	36,861	75,064	24,546	17,931	22,627	9,960
Door.....	12,544	12,485	25,029	7,713	5,946	7,367	4,003
Douglas.....	21,808	22,613	44,421	14,076	11,124	12,863	6,358
Dunn.....	17,006	17,308	34,314	11,335	10,614	8,294	4,071
Eau Claire.....	37,420	41,385	78,805	26,207	23,157	20,783	8,658
Florence.....	2,119	2,053	4,172	1,376	786	1,283	727
Fond du Lac.....	42,996	45,968	88,964	30,278	21,736	25,919	11,031
Forest.....	4,642	4,402	9,044	3,190	1,731	2,645	1,478
Grant.....	26,053	25,683	51,736	18,322	13,009	13,673	6,732
Green.....	14,678	15,334	30,012	9,877	7,085	8,866	4,184
Green Lake.....	9,000	9,370	18,370	5,699	3,744	5,664	3,263
Iowa.....	10,004	9,798	19,802	6,961	4,509	5,719	2,613
Iron.....	3,316	3,414	6,730	1,845	1,290	2,209	1,386
Jackson.....	8,510	8,321	16,831	5,501	3,534	5,091	2,705
Jefferson.....	32,949	33,203	66,152	22,434	16,033	19,496	8,189
Juneau.....	10,402	10,637	21,039	6,970	4,143	6,592	3,334
Kenosha.....	60,428	62,709	123,137	41,130	30,720	38,003	13,284
Kewaunee.....	9,862	9,677	19,539	6,865	4,380	5,586	2,708
La Crosse.....	43,284	47,772	91,056	29,231	26,630	24,194	11,001
Lafayette.....	8,733	8,679	17,412	6,159	3,790	5,119	2,344
Langlade.....	9,775	10,203	19,978	6,752	3,931	6,031	3,264
Lincoln.....	13,196	13,359	26,555	8,915	5,432	8,176	4,032
Manitowoc.....	40,891	42,027	82,918	27,768	19,163	24,716	11,271
Marathon.....	55,310	55,960	111,270	38,949	27,657	32,614	12,050
Marinette.....	19,280	20,034	39,314	12,760	8,257	11,954	6,343
Marquette.....	5,855	5,817	11,672	3,525	2,186	3,799	2,162
Menominee.....	1,689	1,684	3,373	1,620	724	792	237
Milwaukee.....	458,776	506,212	964,988	291,849	262,041	289,551	121,547
Monroe.....	17,740	17,334	35,074	11,781	7,618	10,854	4,821
Oconto.....	14,435	14,512	28,947	9,858	5,993	8,762	4,334
Oneida.....	15,406	15,810	31,216	9,553	6,676	10,280	4,707
Outagamie.....	63,625	65,174	128,799	46,644	33,031	36,332	12,792

Table 3 (Cont.)

WISCONSIN POPULATION CHARACTERISTICS BY COUNTY - CENSUS - APRIL 1, 1980

P. 2 of 2 pages

County	Male	Female	Total	Age			
				0-19	20-34	35-64	65+
Ozaukee.....	33,227	33,754	66,981	23,356	15,288	22,675	5,662
Pepin.....	3,751	3,726	7,477	2,613	1,573	2,019	1,272
Pierce.....	15,701	15,448	31,149	11,184	8,882	7,873	3,210
Polk.....	16,153	16,198	32,351	10,748	7,060	9,504	5,039
Portage.....	28,624	28,796	57,420	20,167	17,297	14,225	5,731
Price.....	7,946	7,842	15,788	5,140	3,036	4,835	2,777
Racine.....	84,717	88,415	173,132	59,807	43,032	52,713	17,580
Richland.....	8,606	8,870	17,476	5,636	3,857	5,225	2,758
Rock.....	68,397	71,023	139,420	47,793	34,721	41,613	15,293
Rusk.....	7,734	7,855	15,589	5,353	3,275	4,598	2,363
St. Croix.....	21,628	21,634	43,262	15,661	10,932	12,235	4,434
Sauk.....	21,303	22,166	43,469	14,131	9,663	13,068	6,607
Sawyer.....	6,367	6,476	12,843	4,023	2,411	4,177	2,232
Shawano.....	17,871	18,057	35,928	12,031	6,990	11,197	5,710
Sheboygan.....	49,705	51,230	100,935	32,957	24,205	30,337	13,436
Taylor.....	9,565	9,252	18,817	6,810	4,144	5,266	2,597
Trempealeau.....	13,138	13,020	26,158	8,636	5,497	7,748	4,277
Vernon.....	12,880	12,762	25,642	7,953	5,205	8,061	4,423
Vilas.....	8,146	8,389	16,535	4,617	2,955	5,732	3,231
Walworth.....	34,988	36,519	71,507	22,892	18,434	20,999	9,182
Washburn.....	6,568	6,606	13,174	4,161	2,595	4,192	2,226
Washington.....	42,263	42,585	84,848	31,591	20,986	25,146	7,125
Waukesha.....	139,726	140,600	280,326	100,443	64,990	93,979	20,914
Waupaca.....	21,075	21,756	42,831	13,683	9,028	12,671	7,449
Waushara.....	9,191	9,335	18,526	5,646	3,636	5,866	3,378
Winnebago.....	64,033	67,670	131,703	41,908	35,638	38,869	15,288
Wood.....	35,513	37,286	72,799	25,299	17,540	21,200	8,760

Figure 5

BIRTH AND DEATH RATES, WISCONSIN, 1940-1980

(Resident Data)

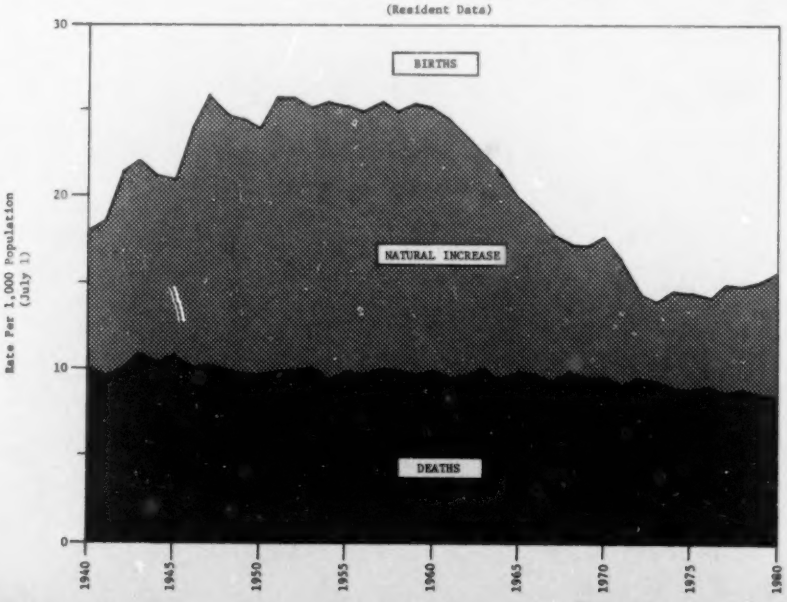


Table 4

WISCONSIN POPULATION BY AGE AND SEX, WHITE AND NONWHITE
1970 AND 1980 U.S. CENSUS

Age	Total				Male				Female			
	1980 U.S. Census	1970 Census			1980 U.S. Census	1970 Census			1980 U.S. Census	1970 Census		
		Total	White	Nonwhite		Total	White	Nonwhite		Total	White	Nonwhite
Total	4,705,767	4,417,821	4,261,609	156,212	2,305,427	2,167,413	2,091,682	75,731	2,400,340	2,250,408	2,169,927	80,481
Under 5	346,940	382,405	361,705	20,700	178,111	195,495	185,124	10,371	168,829	186,910	176,581	10,329
Under 1	75,319				38,690				36,629			
1 year	69,787				35,979				33,808			
2 years	68,703				35,100				33,603			
3 years	67,005				34,293				32,712			
4 years	66,126				34,049				32,077			
5- 9 years	344,804	461,481	439,978	21,503	176,843	235,267	224,559	10,708	167,961	226,214	215,419	10,795
10-14 years	392,247	474,478	453,877	20,601	200,634	242,619	232,347	10,272	191,613	231,859	221,530	10,329
15-19 years	466,612	433,428	416,359	17,069	235,736	218,303	209,806	8,497	230,876	215,125	206,553	8,572
20-24 years	450,026	337,259	322,909	14,350	224,250	158,230	151,623	6,607	225,776	179,029	171,286	7,743
25-29 years	401,915	272,919	261,766	11,153	202,273	135,219	130,064	5,155	199,642	137,700	131,702	5,998
30-34 years	348,115	233,824	224,113	9,711	174,497	115,915	111,484	4,431	173,618	117,909	112,629	5,280
35-39 years	271,661	226,130	217,152	8,978	134,821	111,681	107,614	4,067	136,840	114,449	109,538	4,911
40-44 years	230,312	244,364	236,308	8,056	114,330	121,313	117,466	3,847	115,982	123,051	118,842	4,209
45-49 years	219,866	243,897	237,504	6,393	108,401	119,634	116,402	3,232	111,465	124,263	121,102	3,161
50-54 years	233,079	232,347	227,530	4,817	114,761	112,813	110,445	2,368	118,318	119,534	117,085	2,449
55-59 years	229,046	216,073	212,087	3,986	110,278	104,925	102,981	1,944	118,768	111,148	109,106	2,042
60-64 years	206,947	188,595	185,586	3,009	96,830	90,539	89,100	1,439	110,117	98,056	96,486	1,570
65-69 years	184,722	155,917	153,600	2,317	84,318	72,728	71,628	1,100	100,404	83,189	81,972	1,217
70-74 years	145,693	128,334	126,701	1,633	62,950	56,986	56,185	801	82,743	71,348	70,516	832
75-79 years	107,568	94,220	93,266	954	43,289	40,333	39,881	452	64,279	53,887	53,385	502
80-84 years	70,577	56,987	56,400	587	25,539	22,781	22,528	253	45,038	34,206	33,872	334
85+ years	55,637	35,163	34,768	395	17,566	12,632	12,445	187	38,071	22,531	22,323	208
65+ years	564,197	470,621	464,735	5,886	233,662	205,460	202,667	2,793	330,535	265,161	262,068	3,093
Median age	29.4	27.2	27.6	19.5	28.3	26.2	26.6	18.8	30.4	28.1	28.6	20.1

Note: The 1970 Census age distribution has been adjusted for over-enumeration of centenarians.

Table 5

ABRIDGED LIFE TABLE FOR WISCONSIN MALES 1978-1980 (1979 Average)

Age Interval X to X + N	Number Living Exactly to Age X	Probability of Death During Age Interval	Total Number of Persons in Age Group X to X + N	*Mean of Years Lived From Age X to Death	**Average Age At Death of Those Age X
0-01	100,000	0.01107	99,199	71.95	75.10
01-04	98,893	0.00238	394,956	71.75	75.29
05-09	98,658	0.00164	492,839	67.92	75.33
10-14	98,496	0.00187	492,058	63.03	75.36
15-19	98,312	0.00596	490,211	58.14	75.39
20-24	97,726	0.00816	486,795	53.47	75.49
25-29	96,929	0.00635	483,227	48.89	75.63
30-34	96,313	0.00737	479,932	44.19	75.73
35-39	95,604	0.00870	476,103	39.49	75.86
40-44	94,772	0.01281	471,063	34.82	76.00
45-49	93,558	0.02064	463,334	30.23	76.21
50-54	91,627	0.03899	449,860	25.81	76.54
55-59	88,055	0.05858	428,278	21.75	77.16
60-64	82,896	0.09733	395,574	17.94	78.05
65-69	74,828	0.14194	349,023	14.59	79.45
70-74	64,207	0.21716	287,520	11.56	81.18
75-79	50,264	0.28787	215,961	9.05	83.39
80-84	35,795	0.43963	138,934	6.68	86.62
85-99	20,058	1.00000	100,096	4.99	92.50

Table 6

ABRIDGED LIFE TABLE FOR WISCONSIN FEMALES 1978-1980 (1979 Average)

Age Interval X to X + N	Number Living Exactly to Age X	Probability of Death During Age Interval	Total Number of Persons in Age Group X to X + N	*Mean of Years Lived From Age X to Death	**Average Age At Death of Those Age X
0-01	100,000	0.00889	99,357	78.76	82.09
01-04	99,111	0.00183	395,971	78.47	82.22
05-09	98,930	0.00113	494,338	74.61	82.24
10-14	98,818	0.00099	493,868	69.69	82.26
15-19	98,721	0.00214	493,119	64.76	82.27
20-24	98,510	0.00267	491,943	59.89	82.30
25-29	98,246	0.00241	490,688	55.04	82.34
30-34	98,010	0.00342	489,278	50.17	82.37
35-39	97,675	0.00492	487,268	45.33	82.42
40-44	97,194	0.00797	484,187	40.54	82.49
45-49	96,420	0.01215	479,397	35.85	82.60
50-54	95,248	0.02149	471,513	31.25	82.77
55-59	93,201	0.03114	459,290	26.88	83.06
60-64	90,299	0.04968	441,077	22.66	83.48
65-69	85,812	0.07397	414,254	18.70	84.12
70-74	79,464	0.11620	375,601	14.98	85.05
75-79	70,231	0.18466	320,203	11.61	86.78
80-84	57,262	0.30427	243,559	8.64	89.22
85-99	39,839	1.00000	251,406	6.31	92.50

*Corresponds to what is usually termed "Life Expectancy" at age X.
**Median age attained by survivors to age X or age attained by 50% of those reaching age X.

Summary of Vital Events

NOTES PERTAINING TO TABLE 7

I. General Footnotes

a). Resident figures beginning 1934, previous figures are occurrence data.

b). Crude birth rates for 1941-1946 are calculated on the civilian population as suggested in National Office of Vital Statistics of the U.S., 1950, Vol. 1, page 29.

c). Number of live births, 1940-1950 corrected for underregistration.

d). Figures are by Place of Occurrence.

e). Excluded legal separations, from 1960 to present.

f). July 1 population estimates, 1960 to 1970 and 1970 to 1980 have been revised after the Census.

II. Notes Pertaining to Rates

Live birth, death, marriage, and divorce: crude rates per 1,000 population.

Infant death rate per 1,000 live births.

Fetal death rate per 1,000 deliveries (live births plus stillbirths of 20 weeks or more gestation).

Maternal death rate per 100,000 live births. Earlier publications in this series have used other bases.

III. Definition of Terms and Rates

For calculations--refer to technical notes on page viii.

SUMMARY OF VITAL EVENTS

The 1980 health statistics for Wisconsin largely reflect the continuation of general trends. The death rate has decreased in the last decade from 9.0 in 1971 to 8.7 in 1980. Live birth rates were relatively stable for the five year period 1976-1980, averaging 15.1. The infant death rate has continued to decrease from 22.1 per 1,000 population in 1965 to 10.2 in 1980, a decline of about 53%. The fetal death rate has shown a drop in the past five years from 8.2 to 7.1 in 1980.

During 1980, registration of vital events (live births, total deaths, fetal deaths or stillbirths, marriages, divorces and annulments) totaled 174,798, an increase of approximately 3 percent over 169,567 vital events recorded 1979.

Divorce and annulments rates rose dramatically after 1960. In 1960, the number of divorces and annulments per 1,000 population was 0.9. By 1980, the rate increased four-fold. During the early sixties, marriage rates were at the lowest point since 1933. From 1962 to 1973, the rates rose from 6.0 to 8.9, but have now declined slightly to 8.7 in 1980.

On the average there was a birth every 7 minutes, a death every 13 minutes, an infant death every 11 hours, a neonatal death every 18 hours, a fetal death every 16 hours, a marriage every 13 minutes, and a divorce or annulment every 30 minutes.

Table 7

WISCONSIN VITAL EVENTS AND RATES (1930-1980)
(Resident Data)*

Year	Estimated Mid Year Population	Live Births		Infant Deaths		Fetal Deaths		Total Deaths (excl. fetal deaths)		Maternal Deaths		Marriages		Divorces Annulments & Separations	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.[d]	Rate	No.[d]	Rate
Note:	Data for years 1910 thru 1929 appear in the 1979 Public Health Statistics report.														
1930	2,947,000	56,643	19.2	3,149	55.6	1,683[d]	28.9	30,488	10.4	298	526.1	15,328	5.2	2,553	.9
1931	2,972,000	54,421	18.3	2,884	52.9	1,512	27.0	30,202	10.2	238	437.3	14,954	5.1	2,702	.9
1932	2,992,000	53,326	17.8	2,670	50.1	1,463	26.7	30,294	10.1	225	421.9	14,034	4.7	2,404	.8
1933	3,009,000	50,450	16.8	2,444	48.4	1,440	27.8	29,475	9.8	236	467.8	15,962	5.3	2,479	.8
1934	3,028,000	51,461[a]	17.0	2,539[a]	49.3	1,300[a]	24.6	30,164[a]	10.0	215[a]	417.8	20,074	6.6	3,231	1.1
1935	3,048,000	52,402	17.2	2,413	46.0	1,257	23.4	30,404	10.0	193	368.3	21,075	6.9	3,543	1.2
1936	3,063,000	52,429	17.1	2,509	47.9	1,271	23.7	32,926	10.8	206	392.9	22,666	7.4	3,741	1.2
1937	3,078,000	53,504	17.4	2,329	43.5	1,254	22.9	31,733	10.3	188	351.4	23,285	7.6	3,999	1.3
1938	3,099,000	54,746	17.7	2,308	42.2	1,250	22.3	30,385	9.8	165	297.7	20,732	6.7	3,568	1.2
1939	3,121,000	54,187	17.4	2,172	40.1	1,180	21.3	31,404	10.1	153	282.3	21,276	6.8	3,673	1.2
1940	3,138,000	56,324[c]	17.9	2,030	36.0	1,209	21.0	31,457	10.0	151	268.1	23,379	7.5	3,599	1.1
1941	3,140,000	58,043	18.5[b]	1,922	34.3	1,140	19.3	30,445	9.7	137	236.0	28,816	9.2	4,050	1.3
1942	3,053,000	64,504	21.2	2,030	31.5	1,366	20.7	30,639	10.0	109	169.0	24,860	8.1	3,905	1.3
1943	3,014,000	65,404	22.1	2,224	34.0	1,306	19.6	32,323	10.7	126	192.6	22,393	7.4	4,469	1.5
1944	2,980,000	61,928	21.1	1,950	31.5	1,183	18.7	31,373	10.5	113	182.5	21,190	7.1	5,326	1.8
1945	2,961,000	61,577	20.9	1,890	30.7	1,141	18.2	31,776	10.7	81	131.5	25,269	8.5	6,393	2.2
1946	3,167,000	74,868	23.7	2,235	29.9	1,300	17.1	31,965	10.1	101	134.9	38,964	12.3	8,197	2.6
1947	3,250,000	84,562	26.0	2,470	29.2	1,410	16.4	33,078	10.2	87	102.9	35,555	10.9	5,877	1.8
1948	3,314,000	81,814	24.8	2,147	26.2	1,357	16.3	32,535	9.8	83	101.4	32,579	9.8	5,075	1.5
1949	3,391,000	83,183	24.5	2,193	26.4	1,274	15.1	32,876	9.7	47	56.5	27,782	8.2	4,815	1.4
1950	3,449,000	82,364	23.9	2,098	25.5	1,241	14.8	33,573	9.7	35	42.5	29,081	8.4	4,845	1.4
1951	3,437,000	87,819	25.6	2,182	24.8	1,343	15.1	33,397	9.7	42	47.8	27,133	7.9	4,473	1.3
1952	3,463,000	88,941	25.7	2,160	24.3	1,267	14.0	33,887	9.8	42	47.2	24,737	7.1	4,847	1.4
1953	3,502,000	88,408	25.2	2,069	23.4	1,251	14.0	34,839	9.9	38	43.0	25,469	7.3	5,011	1.4
1954	3,599,000	91,570	25.4	2,002	21.9	1,216	13.1	33,709	9.4	34	37.1	24,921	6.9	4,887	1.4
1955	3,666,000	92,333	25.2	2,175	23.6	1,233	13.2	35,250	9.6	22	23.8	25,543	7.0	4,720	1.3
1956	3,740,000	93,496	25.0	2,133	22.8	1,235	13.0	35,498	9.5	20	21.4	26,833	7.2	4,488	1.2
1957	3,802,000	96,398	25.4	2,145	22.3	1,278	13.1	37,185	9.8	35	36.3	25,723	6.8	4,336	1.1
1958	3,863,000	95,950	24.8	2,250	23.4	1,246	12.8	37,457	9.7	29	30.2	24,985	6.5	4,499	1.2
1959	3,915,000	98,518	25.2	2,295	23.3	1,222	12.3	37,166	9.5	34	34.5	25,637	6.5	4,657	1.2
1960[f]	3,967,000	99,493	25.1	2,173	21.8	1,341	13.3	38,121	9.6	27	27.1	24,573	6.2	3,672[e]	.9
1961	4,014,000	98,435	24.5	2,235	22.7	1,243	12.5	37,325	9.3	27	27.4	24,232	6.0	4,300	1.1
1962	4,043,000	94,497	23.4	1,929	20.4	1,114	11.7	38,332	9.5	26	27.5	24,114	6.0	4,547	1.1
1963	4,086,000	91,605	22.4	2,060	22.5	1,184	12.8	39,676	9.7	20	21.8	25,678	6.3	4,918	1.2
1964	4,151,000	88,910	21.4	1,848	20.8	1,112	12.4	38,872	9.4	16	18.0	26,832	6.5	5,214	1.3
1965	4,212,000	82,919	19.7	1,829	22.1	1,042	12.4	40,146	9.5	13	15.7	28,410	6.7	5,232	1.2
1966	4,262,000	80,412	18.9	1,640	20.4	958	11.8	40,336	9.5	21	26.1	28,473	6.7	5,293	1.2
1967	4,303,000	75,797	17.6	1,484	19.6	867	11.3	39,654	9.2	9	11.9	30,480	7.1	6,105	1.4
1968	4,332,000	74,257	17.1	1,453	19.6	838	11.2	41,323	9.5	9	12.1	33,019	7.6	7,260	1.7
1969	4,381,000	74,324	17.0	1,281	17.2	872	11.6	41,072	9.4	15	20.2	34,402	7.9	7,832	1.8
1970	4,425,000	77,455	17.5	1,308	16.9	817	10.4	40,820	9.2	6	7.7	34,415	7.8	8,930	2.0
1971	4,465,000	71,976	16.1	1,157	16.1	767	10.5	40,380	9.0	10	13.9	34,858	7.8	8,927	2.0
1972	4,512,000	64,719	14.3	984	15.2	680	10.4	42,074	9.3	9	13.9	38,608	8.6	10,492	2.3
1973	4,518,000	62,796	13.9	900	14.3	590	9.3	41,293	9.1	7	11.1	40,098	8.9	11,595	2.6
1974	4,538,000	65,150	14.3	898	13.8	579	8.8	40,811	9.0	3	4.6	38,248	8.4	12,470	2.7
1975	4,555,000	65,145	14.3	881	13.5	530	8.1	39,916	8.8	3	4.6	35,888	7.9	13,187	2.9
1976	4,578,000	65,042	14.2	818	12.6	540	8.2	40,191	8.8	6	9.2	36,024	7.9	14,579	3.2
1977	4,613,000	68,548	14.9	774	11.3	478	6.9	39,325	8.5	7	10.2	37,430	8.1	14,792	3.2
1978	4,645,000	68,573	14.8	769	11.2	421	6.1	40,285	8.7	8	11.7	38,189	8.2	16,129	3.5
1979	4,680,000	73,209	15.6	790	10.8	496	6.7	39,145	8.4	3	4.1	39,556	8.5	17,161	3.7
1980	4,714,000	74,763	15.9	763	10.2	549[d]	7.3	40,801	8.7	5	6.7	41,113	8.7	17,589	3.7

*See "Notes Pertaining to Table 7" Roman I-a and d for residency status.

The 1978 fetal death count for the State is deficient by 116. The certificate for these deaths were not received from the Milwaukee City Health Department until nine months after the filing deadline by which time the file preparation and tabulation had been completed.

Table 8

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1980

P. 1 of 5 pages (Resident Data)

Cause of Death	I.C.D.	Number of Deaths	Percent of deaths in this category*	1980 Rate**
All Ages - Total				
Total, all causes		40,801***	100.0	867.0
Diseases of the heart	391-398,402,404,410-414,420-429	16,622	40.7	353.2
Cancer	140-208	8,615	21.1	183.1
Cerebrovascular disease	430-438	3,716	9.1	79.0
Accidents	800-949	1,864	4.6	39.6
Pneumonia and influenza	480-487	1,081	2.6	23.0
Atherosclerosis	440	739	1.8	15.7
Diabetes mellitus	250	701	1.7	14.9
Suicide	950-959	552	1.4	11.7
Other arterial disease	441-448	495	1.2	10.5
Cirrhosis of liver	571	466	1.1	9.9
All Ages - Males				
Total, all causes		22,095***	100.0	958.4
Diseases of the heart	391-398,402,404,410-414,420-429	8,947	40.5	388.1
Cancer	140-208	4,711	21.3	204.3
Cerebrovascular disease	430-438	1,606	7.3	69.7
Accidents	800-949	1,280	5.8	55.5
Pneumonia and influenza	480-487	615	2.8	26.7
Suicide	950-959	429	1.9	18.6
Other arterial disease	441-448	327	1.5	14.2
Atherosclerosis	440	297	1.3	12.9
Cirrhosis of liver	571	294	1.3	12.8
Diabetes mellitus	250	286	1.3	12.4
All Ages - Females				
Total, all causes		18,706***	100.0	779.3
Diseases of the heart	391-398,402,404,410-414,420-429	7,675	41.0	319.7
Cancer	140-208	3,904	20.9	162.6
Cerebrovascular disease	430-438	2,110	11.3	87.9
Accidents	800-949	584	3.1	24.3
Pneumonia and influenza	480-487	466	2.5	19.4
Atherosclerosis	440	442	2.4	18.4
Diabetes mellitus	250	415	2.2	17.3
Cirrhosis of liver	571	172	0.9	7.2
Other arterial disease	441-448	168	0.9	7.0
Conditions of perinatal period	760-779	147	0.8	6.1

*Percents are not calculated when a unit is less than 100 (in each age group) because they give an exaggerated impression of the numbers involved.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

***Four, age unknown, included in total (3 males, and 1 female).

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1980

P. 2 of 5 pages (Resident Data)

Cause of Death	I.C.D.	Number of Deaths	Percent of deaths in this category*	1980 Rate**
Under 1 year - Males				
All causes		442	100.0	1142.4
Other perinatal conditions	760-766,770-779	121	27.4	312.7
Congenital anomalies	740-759	101	22.9	261.0
Birth trauma--asphyxia and respiratory	767-769	71	16.1	183.5
Symptoms, signs and ill-defined	780-799	71	16.1	183.5
Under 1 year - Females				
All causes		321	100.0	876.4
Other perinatal conditions	760-766,770-779	91	28.3	248.4
Congenital anomalies	740-759	85	26.5	232.1
Birth trauma--asphyxia and respiratory	767-769	54	16.8	147.4
Symptoms, signs and ill-defined	780-799	48	15.0	131.0
1-4 years - Males				
All causes		79		56.7
Accidents	800-949	27		19.4
Congenital anomalies	740-759	14		
Cancer	140-208	9		
1-4 years - Females				
All causes		78		59.0
Accidents	800-949	32		24.2
Congenital anomalies	740-759	14		
Cancer	140-208	7		
5-9 years - Males				
All causes		46		26.0
Accidents	800-949	30		17.0
Cancer	140-208	6		
5-9 years - Females				
All causes		30		17.9
Accidents	800-949	10		
10-14 years - Males				
All causes		74		36.9
Accidents	800-949	44		21.9
Cancer	140-208	10		
10-14 years - Females				
All causes		34		17.7
Accidents	800-949	15		

*Percents are not calculated when a unit is less than 100 (in each age group) because they give an exaggerated impression of the numbers involved.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1980

P. 3 of 5 pages (Resident Data)

Cause of Death	I.C.D.	Number of Deaths	Percent of deaths in this category*	1980 Rate**
15-24 years - Males				
All causes		650	100.0	141.3
Accidents	800-949	407	62.6	88.5
Suicide	950-959	109	16.8	23.7
Cancer	140-208	33	5.1	7.2
Homicide and legal intervention	960-978	32	4.9	7.0
Diseases of the heart	391-398,402,404,410-414,420-429	14	2.2	
15-24 years - Females				
All causes		225	100.0	49.3
Accidents	800-949	129	57.3	28.2
Suicide	950-959	21	9.3	4.6
Homicide and legal intervention	960-978	21	9.3	4.6
Cancer	140-208	14	6.2	
Diseases of the heart	391-398,402,404,410-414,420-429	8	3.6	
25-34 years - Males				
All causes		516	100.0	137.0
Accidents	800-949	237	45.9	62.9
Suicide	950-959	80	15.5	21.2
Cancer	140-208	53	10.3	14.1
Diseases of the heart	391-398,402,404,410-414,420-429	37	7.2	9.8
Homicide and legal intervention	960-978	26	5.0	6.9
25-34 years - Females				
All causes		224	100.0	60.0
Accidents	800-949	55	24.6	14.7
Cancer	140-208	41	18.3	11.0
Suicide	950-959	24	10.7	6.4
Diseases of the heart	391-398,402,404,410-414,420-429	17	7.6	
35-44 years - Males				
All causes		552	100.0	221.6
Diseases of the heart	391-398,402,404,410-414,420-429	145	26.3	58.2
Accidents	800-949	105	19.0	42.1
Cancer	140-208	91	16.5	36.5
Suicide	950-959	58	10.5	23.3
Cerebrovascular disease	430-438	22	4.0	8.8
Cirrhosis of liver	571	19	3.4	
Homicide and legal intervention	960-978	18	3.3	
35-44 years - Females				
All causes		304	100.0	120.2
Cancer	140-208	117	38.5	46.3
Diseases of the heart	391-398,402,404,410-414,420-429	32	10.5	12.7
Accidents	800-949	31	10.2	12.3
Cirrhosis of liver	571	23	7.6	9.1
Cerebrovascular disease	430-438	19	6.3	
Suicide	950-959	17	5.6	

*Percents are not calculated when a unit is less than 100 (in each age group) because they give an exaggerated impression of the numbers involved.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 8 (Cont.)
LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1980
(Resident Data)

P. 4 of 5 pages

Cause of Death	I.C.D.	Number of Deaths	Percent of deaths in this category*	1980 Rate**
45-54 years - Males				
All causes		1,364	100.0	611.2
Diseases of the heart	391-398,402,404,410-414,420-429	537	39.4	240.6
Cancer	140-208	373	27.3	167.1
Accidents	800-949	94	6.9	42.1
Cirrhosis of liver	571	59	4.3	26.4
Cerebrovascular disease	430-438	49	3.6	22.0
Suicide	950-959	49	3.6	22.0
45-54 years - Females				
All causes		832	100.0	362.1
Cancer	140-208	372	44.7	161.9
Diseases of the heart	391-398,402,404,410-414,420-429	136	16.3	59.2
Accidents	800-949	51	6.1	22.2
Cerebrovascular disease	430-438	42	5.0	18.3
Cirrhosis of liver	571	40	4.8	17.4
Suicide	950-959	28	3.4	12.2
55-64 years - Males				
All causes		3,228	100.0	1558.6
Diseases of the heart	391-398,402,404,410-414,420-429	1,344	41.6	648.9
Cancer	140-208	1,003	31.1	484.3
Cerebrovascular disease	430-438	147	4.6	71.0
Cirrhosis of liver	571	89	2.8	43.0
Accidents	800-949	81	2.5	39.1
Suicide	950-959	53	1.6	25.6
55-64 years - Females				
All causes		1,832	100.0	800.4
Cancer	140-208	772	42.1	337.3
Diseases of the heart	391-398,402,404,410-414,420-429	543	29.6	237.2
Cerebrovascular disease	430-438	113	6.2	49.4
Accidents	800-949	43	2.3	18.8
Disbetes mellitus	250	42	2.3	18.3
Cirrhosis of liver	571	39	2.1	17.0
65-69 years - Males				
All causes		2,643	100.0	3134.6
Diseases of the heart	391-398,402,404,410-414,420-429	1,180	44.6	1399.5
Cancer	140-208	741	28.0	878.8
Cerebrovascular disease	430-438	158	6.0	187.4
Accidents	800-949	51	1.9	60.5
Cirrhosis of liver	571	51	1.9	60.5
Other arterial disease	441-448	39	1.5	46.3
65-69 years - Females				
All causes		1,583	100.0	1576.6
Diseases of the heart	391-398,402,404,410-414,420-429	593	37.5	590.6
Cancer	140-208	551	34.8	548.8
Cerebrovascular disease	430-438	114	7.2	113.5
Diabetes mellitus	250	43	2.7	42.8
Accidents	800-949	29	1.8	28.9
Pneumonia and influenza	480-487	23	1.5	22.9
70-74 years - Males				
All causes		3,076	100.0	4886.4
Diseases of the heart	391-398,402,404,410-414,420-429	1,396	45.4	2217.6
Cancer	140-208	757	24.6	1202.5
Cerebrovascular disease	430-438	223	7.2	354.2
Other arterial disease	441-448	74	2.4	117.6
Pneumonia and influenza	480-487	63	2.0	100.1
Emphysema and asthma	492,493	55	1.8	87.4

*Percents are not calculated when a unit is less than 100 (in each age group) because they give an exaggerated impression of the numbers involved.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 8 (Cont.)

LEADING CAUSES OF DEATH BY SEX AND AGE GROUPS
Wisconsin, 1980

P. 5 of 5 pages (Resident Data)

Cause of Death	I.C.D.	Number of Deaths	Percent of deaths in this category*	1980 Rate**
70-74 years - Females				
All causes		2,009	100.0	2428.0
Diseases of the heart	391-398,402,404,410-414,420-429	854	42.5	1032.1
Cancer	140-208	542	27.0	655.0
Cerebrovascular disease	430-438	189	9.4	228.4
Diabetes mellitus	250	58	2.9	70.1
Accidents	800-949	24	1.2	29.0
Pneumonia and influenza	480-487	24	1.2	29.0
75-79 years - Males				
All causes		3,137	100.0	7246.6
Diseases of the heart	391-398,402,404,410-414,420-429	1,405	44.8	3245.6
Cancer	140-208	677	21.6	1563.9
Cerebrovascular disease	430-438	278	8.9	642.2
Pneumonia and influenza	480-487	100	3.2	231.0
Other arterial disease	441-448	78	2.5	180.2
75-79 years - Females				
All causes		2,598	100.0	4041.8
Diseases of the heart	391-398,402,404,410-414,420-429	1,189	45.8	1849.7
Cancer	140-208	531	20.4	826.1
Cerebrovascular disease	430-438	331	12.7	514.9
Diabetes mellitus	250	57	2.2	88.7
Atherosclerosis	440	53	2.0	82.5
80-84 years - Males				
All causes		2,842	100.0	11128.1
Diseases of the heart	391-398,402,404,410-414,420-429	1,267	44.6	4961.0
Cancer	140-208	532	18.7	2083.1
Cerebrovascular disease	430-438	310	10.9	1213.8
Pneumonia and influenza	480-487	137	4.8	536.4
Atherosclerosis	440	50	1.8	195.8
Diabetes mellitus	250	42	1.5	164.5
80-84 years - Females				
All causes		3,196	100.0	7096.2
Diseases of the heart	391-398,402,404,410-414,420-429	1,551	48.5	3443.8
Cancer	140-208	483	15.1	1072.4
Cerebrovascular disease	430-438	458	14.3	1016.9
Pneumonia and influenza	480-487	102	3.2	226.5
Diabetes mellitus	250	80	2.5	177.6
Atherosclerosis	440	65	2.0	144.3
85 years and over - Males				
All causes		3,443	100.0	19600.4
Diseases of the heart	391-398,402,404,410-414,420-429	1,611	46.8	9171.1
Cancer	140-208	424	12.3	2413.8
Cerebrovascular disease	430-438	407	11.8	2317.0
Pneumonia and influenza	480-487	207	6.0	1178.4
Atherosclerosis	440	155	4.5	882.4
Accidents	800-949	65	1.9	370.0
85 years and over - Females				
All causes		5,439	100.0	14286.5
Diseases of the heart	391-398,402,404,410-414,420-429	2,743	50.4	7205.0
Cerebrovascular disease	430-438	835	15.4	2193.3
Cancer	140-208	464	8.5	1218.8
Atherosclerosis	440	278	5.1	730.2
Pneumonia and influenza	480-487	239	4.4	627.8
Diabetes mellitus	250	89	1.6	233.8

*Percents are not calculated when a unit is less than 100 (in each age group) because they give an exaggerated impression of the numbers involved.

**Rates per 100,000 population. Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Table 9

LIVE BIRTHS BY COUNTY
Wisconsin, 1971-1975 and 1976-1980

(Resident Data)

County	1971	1972	1973	1974	1975	Five year average 1971-1975	Five year rate	1976	1977	1978	1979	1980	Five year average 1976-1980	Five year rate
Total.....	71,976	64,719	62,796	65,150*	65,145	65,957	14.6	65,042	68,548	68,573*	73,209*	74,763*	70,027	15.1
Adams.....	136	131	142	128	145	136	13.0	140	127	163	162	179	154	13.0
Ashland.....	230	242	206	211	216	221	13.4	228	247	268	243	279	253	15.1
Barron.....	566	498	474	473	504	503	13.8	529	578	593	656	654	602	16.1
Bayfield.....	159	141	134	153	150	147	12.3	174	182	175	198	219	190	14.5
Brown.....	2,862	2,524	2,424	2,645	2,600	2,611	15.8	2,622	2,715	2,624	2,790	2,802	2,711	15.5
Buffalo.....	235	179	188	197	162	192	13.6	203	217	217	232	236	221	15.2
Burnett.....	127	125	128	118	133	126	12.3	157	151	154	215	167	169	14.9
Calumet.....	477	472	447	484	445	465	16.5	453	489	462	485	546	487	16.8
Chippewa.....	812	771	776	746	734	768	15.7	780	797	825	882	903	837	16.9
Clark.....	524	429	432	497	508	478	15.3	478	547	536	542	641	549	17.1
Columbia.....	626	547	555	584	566	576	13.8	549	590	637	623	667	613	14.6
Crawford.....	245	235	219	228	229	231	14.8	229	268	246	255	293	258	15.9
Dane.....	4,750	4,146	3,871	3,970	3,963	4,140	14.0	3,912	4,242	4,183	4,469	4,685	4,298	13.6
Dodge.....	1,118	1,002	970	1,034	1,034	1,032	14.6	1,015	1,112	1,107	1,110	1,186	1,106	15.1
Door.....	252	273	281	298	334	288	13.2	332	411	374	409	412	388	15.8
Douglas.....	723	725	594	650	627	664	14.6	689	606	657	688	702	668	15.3
Dunn.....	465	448	380	433	396	424	13.9	420	460	466	510	537	479	14.5
Eau Claire.....	1,157	1,014	944	972	935	1,004	14.1	959	1,039	1,062	1,083	1,117	1,052	14.0
Florence.....	43	46	46	43	31	42	12.1	47	63	36	69	55	54	14.0
Fond du Lac.....	1,344	1,258	1,279	1,308	1,258	1,289	14.9	1,311	1,413	1,361	1,461	1,512	1,412	16.0
Forest.....	136	129	124	122	108	124	15.0	127	141	150	131	140	138	15.8
Grant.....	758	741	738	748	781	753	15.4	821	839	791	867	867	837	16.6
Green.....	462	412	406	426	447	431	15.4	440	425	428	456	483	446	15.3
Green Lake.....	271	240	250	224	251	247	14.3	263	218	248	306	262	259	14.8
Iowa.....	323	294	256	282	295	290	14.9	291	325	268	356	345	317	16.6
Iron.....	83	72	80	72	78	77	11.7	78	84	66	70	84	76	11.6
Jackson.....	268	232	221	226	208	231	14.8	216	284	273	291	276	268	16.0
Jefferson.....	968	904	839	964	909	917	14.7	885	948	918	1,034	973	952	14.8
Juneau.....	312	304	264	288	272	288	15.0	278	328	333	379	347	333	16.8
Kenosha.....	1,918	1,752	1,662	1,750	1,766	1,770	14.7	1,679	1,767	1,711	1,796	1,826	1,756	14.3
Kewaunee.....	322	283	267	308	271	290	14.6	299	282	330	327	323	312	15.4
La Crosse.....	1,311	1,115	1,094	1,110	1,121	1,150	14.0	1,119	1,195	1,250	1,318	1,350	1,246	13.7
Lafayette.....	301	236	251	278	267	267	15.1	303	291	302	289	289	295	16.7
Langlade.....	305	271	257	276	290	280	14.5	273	305	308	301	287	295	14.9
Lincoln.....	367	371	373	342	320	355	14.0	311	396	367	423	406	381	14.8
Manitowoc.....	1,276	1,077	1,134	1,108	1,138	1,147	13.9	1,209	1,195	1,232	1,290	1,338	1,253	15.2
Marathon.....	1,704	1,471	1,550	1,688	1,618	1,606	15.9	1,675	1,752	1,707	1,934	1,930	1,800	16.7

*One live birth in each of the following years: 1974, 1978, 1979 and 1980, counties unknown, included in totals.

Rates per 1,000 population.

Table 9 (Cont.)

LIVE BIRTHS BY COUNTY
Wisconsin, 1971-1975 and 1976-1980

(Resident Data)

County	1971	1972	1973	1974	1975	Five year average 1971-1975	Five year rate	1976	1977	1978	1979	1980	Five year average 1976-1980	Five year rate
Marinette.....	504	450	449	470	501	475	13.0	500	571	599	580	662	582	14.9
Marquette.....	122	134	107	141	152	131	13.7	124	168	154	172	167	157	14.3
Menominee.....	73	70	72	56	64	67	24.9	76	83	96	99	111	93	28.4
Milwaukee.....	17,719	15,538	14,862	14,893	14,891	15,581	15.0	14,450	14,898	14,555	15,680	15,842	15,085	15.4
Monroe.....	523	482	451	467	482	481	14.9	481	491	503	555	607	527	15.7
Oconto.....	380	391	356	378	413	384	14.4	428	410	460	446	469	443	15.7
Oneida.....	377	342	322	337	384	352	13.1	378	396	379	444	423	404	13.8
Outagamie.....	2,010	1,737	1,733	1,950	2,009	1,888	15.6	1,942	2,058	2,070	2,268	2,340	2,136	16.6
Ozaukee.....	885	810	727	818	843	817	13.6	820	978	898	936	992	925	13.3
Pepin.....	122	97	100	98	111	106	14.2	109	108	119	157	128	124	16.0
Pierce.....	497	471	438	434	428	454	16.0	429	452	452	504	507	469	15.6
Polk.....	461	410	415	443	458	437	15.1	430	434	496	499	506	473	15.2
Portage.....	790	703	752	763	764	754	14.8	781	831	926	841	928	861	15.6
Price.....	207	220	211	215	206	212	14.0	215	227	218	247	242	230	14.9
Racine.....	2,818	2,473	2,376	2,633	2,587	2,577	15.0	2,563	2,620	2,697	2,857	2,980	2,743	15.6
Richland.....	262	221	222	227	267	240	14.6	210	257	274	270	275	257	15.4
Rock.....	2,299	2,014	1,977	2,050	1,964	2,061	15.6	2,003	2,005	2,109	2,222	2,256	2,119	15.9
Rusk.....	230	212	195	228	221	217	14.8	251	239	230	251	222	239	16.1
St. Croix.....	620	586	587	636	639	614	16.5	632	700	739	741	835	729	17.8
Sauk.....	650	624	572	621	625	618	15.5	597	606	603	692	654	630	15.7
Sawyer.....	157	144	148	157	158	153	14.2	161	157	175	182	219	179	15.2
Shawano.....	446	509	478	495	475	481	14.1	438	478	516	549	528	502	14.3
Sheboygan.....	1,450	1,373	1,452	1,481	1,436	1,438	14.6	1,502	1,505	1,406	1,559	1,588	1,512	15.1
Taylor.....	316	282	259	289	293	288	16.1	308	321	332	357	379	339	17.6
Trempealeau.....	397	356	339	351	347	358	15.2	338	357	364	384	373	363	14.8
Vernon.....	350	347	331	335	291	331	13.1	345	340	336	384	408	363	14.4
Vilas.....	144	137	178	143	139	148	11.8	156	190	172	200	228	189	12.6
Walworth.....	903	812	829	784	804	826	12.7	853	991	969	944	1,026	957	14.0
Washburn.....	158	150	164	146	190	162	13.9	170	195	180	222	226	199	15.3
Washington.....	1,100	1,026	1,175	1,195	1,197	1,139	16.1	1,226	1,318	1,342	1,428	1,442	1,351	16.2
Waukesha.....	3,232	2,953	2,965	3,100	3,250	3,100	12.8	3,232	3,507	3,596	3,841	3,841	3,603	12.3
Waupaca.....	640	523	568	524	568	565	14.3	551	598	683	673	697	640	15.2
Waushara.....	225	208	211	188	235	213	13.5	223	263	208	276	243	243	14.5
Winnebago.....	1,884	1,784	1,576	1,730	1,681	1,731	13.2	1,627	1,650	1,754	1,882	1,901	1,763	13.5
Wood.....	1,089	1,020	943	989	962	1,001	14.9	999	1,117	1,134	1,216	1,199	1,133	16.1

Table 9 (Cont.)

DEATHS BY COUNTY
Wisconsin, 1971-1975 and 1976-1980

(Resident Data)

County	1971	1972	1973	1974	1975	Five year average 1971-1975	Five year rate	1976	1977	1978	1979	1980	Five year average 1976-1980	Five year rate
Total.....	40,393	42,074	41,293	40,811*	39,916*	40,897	9.1	40,191*	39,325	40,285	39,145**	40,801	39,949	8.6
Adams.....	123	149	123	144	154	139	13.3	154	134	134	157	136	143	12.1
Ashland.....	212	212	205	240	213	216	13.1	248	228	193	212	219	220	13.1
Barron.....	426	450	453	416	394	428	11.8	394	383	406	403	411	399	10.7
Bayfield.....	178	161	161	168	138	161	13.5	146	165	160	152	146	154	11.8
Brown.....	1,179	1,192	1,176	1,142	1,112	1,160	7.0	1,236	1,129	1,188	1,122	1,181	1,171	6.7
Buffalo.....	147	149	149	124	147	143	10.1	158	146	132	144	129	142	9.7
Burnett.....	142	153	142	165	148	150	14.6	132	128	143	120	168	138	12.2
Calumet.....	185	226	210	226	180	205	7.3	193	210	205	219	205	206	7.1
Chippewa.....	461	433	393	437	437	432	8.9	451	448	443	436	456	447	9.0
Clark.....	329	359	333	339	309	334	10.7	328	317	362	285	316	322	10.0
Columbia.....	430	470	452	494	443	458	11.0	459	423	424	446	436	438	10.5
Crawford.....	180	176	156	170	183	173	11.1	169	163	156	159	167	163	10.0
Dane.....	1,856	1,837	1,912	1,894	1,825	1,865	6.3	1,872	1,788	1,943	1,785	1,928	1,863	5.9
Dodge.....	667	699	693	704	676	688	9.7	668	679	705	640	678	674	9.2
Door.....	266	263	285	255	254	265	12.1	230	272	256	254	262	255	10.4
Douglas.....	535	595	513	538	490	534	11.7	523	423	502	504	457	482	11.0
Dunn.....	286	291	284	269	279	282	9.2	293	226	278	250	240	257	7.8
Eau Claire.....	657	620	562	599	607	609	8.5	600	620	598	569	646	607	8.1
Florence.....	40	39	41	45	42	41	11.8	54	48	48	42	52	49	12.7
Fond du Lac.....	713	869	823	815	786	801	9.3	769	791	782	797	824	793	9.0
Forest.....	97	111	87	83	96	95	11.5	92	115	114	109	104	107	12.3
Grant.....	482	470	466	459	425	460	9.4	490	469	492	440	454	469	9.3
Green.....	280	329	307	311	284	302	10.8	282	309	314	282	311	300	10.3
Green Lake.....	229	213	209	211	205	213	12.4	190	231	227	217	208	215	12.3
Iowa.....	269	246	222	211	205	231	11.9	222	201	215	174	204	203	10.6
Iron.....	76	73	85	98	86	84	12.8	100	101	96	84	93	95	14.5
Jackson.....	173	181	191	193	173	182	11.6	164	206	202	163	179	183	10.9
Jefferson.....	551	552	594	539	558	559	9.0	585	574	607	535	605	581	9.0
Juneau.....	236	252	265	224	218	239	12.4	224	202	220	235	221	220	11.1
Kenosha.....	1,003	970	1,055	1,025	1,002	1,011	8.4	1,008	1,008	964	1,007	1,093	1,016	8.2
Kewaunee.....	189	207	219	174	169	192	9.6	173	205	180	165	166	178	8.8
La Crosse.....	740	785	752	775	739	758	9.2	745	749	799	780	768	768	8.4
Lafayette.....	179	196	205	171	163	183	10.3	173	156	158	163	139	158	8.9
Langlade.....	241	252	213	212	208	225	11.7	184	201	239	207	207	208	10.5
Lincoln.....	278	307	286	303	255	286	11.3	265	280	264	252	284	269	10.5
Manitowoc.....	802	822	812	812	755	801	9.7	737	704	748	719	779	737	8.9
Marathon.....	847	844	904	831	752	836	8.3	801	786	834	815	853	818	7.6

*Two deaths in 1974, 5 deaths in 1975 and 1 death in 1976, counties unknown, included in totals.
**One sex unknown in Washington County and 2 counties unknown in 1979, included in total only.

Table 9 (Cont.)

DEATHS BY COUNTY
Wisconsin, 1971-1975 and 1976-1980

(Resident Data)

County	1971	1972	1973	1974	1975	Five year average 1971-1975	Five year rate	1976	1977	1978	1979	1980	Five year average 1976-1980	Five year rate
Marinette.....	409	452	452	416	476	441	12.0	443	450	465	449	446	451	11.6
Marquette.....	128	118	141	127	136	130	13.6	126	128	157	128	134	135	12.3
Menominee.....	42	33	20	30	22	29	10.8	30	31	33	30	36	32	9.8
Milwaukee.....	9,856	10,294	10,081	9,838	9,524	9,919	9.5	9,436	9,045	9,088	8,857	9,278	9,141	9.3
Monroe.....	351	367	322	318	345	341	10.5	310	324	325	333	339	326	9.7
Oconto.....	323	305	330	305	288	310	11.6	320	325	290	320	300	311	11.0
Oneida.....	290	313	291	304	277	295	11.0	290	312	285	270	316	295	10.0
Outagamie.....	862	902	836	942	837	876	7.2	884	924	844	854	895	880	6.9
Ozaukee.....	317	367	385	405	387	372	6.2	371	391	419	406	437	405	5.8
Pepin.....	83	78	85	74	83	81	10.9	72	75	90	70	107	83	10.7
Pierce.....	248	246	236	255	239	245	8.6	249	231	204	187	234	221	7.4
Polk.....	295	290	330	307	339	312	10.8	330	320	343	328	319	328	10.6
Portage.....	381	360	387	363	375	373	7.3	390	375	378	347	360	370	6.7
Price.....	181	205	172	220	209	197	13.0	183	151	214	196	211	191	12.3
Racine.....	1,368	1,396	1,376	1,380	1,366	1,377	8.0	1,373	1,343	1,387	1,379	1,393	1,375	7.8
Richland.....	203	191	197	164	211	193	11.8	169	156	181	167	184	171	10.3
Rock.....	1,126	1,258	1,199	1,163	1,195	1,188	9.0	1,185	1,097	1,174	1,119	1,205	1,156	8.7
Rusk.....	152	169	153	165	192	166	11.3	150	140	165	162	135	150	10.1
St. Croix.....	281	304	313	303	292	299	8.1	343	328	324	343	303	328	8.0
Sauk.....	400	454	419	418	430	424	10.6	404	438	409	387	433	414	10.3
Sawyer.....	144	158	167	139	152	152	14.1	151	141	146	144	155	147	12.5
Shawano.....	387	389	369	391	361	379	11.1	403	396	401	377	414	398	11.3
Sheboygan.....	983	961	978	991	980	979	9.9	929	948	906	929	954	933	9.3
Taylor.....	165	172	162	165	168	166	9.3	162	175	179	186	159	172	8.9
Trempealeau.....	288	326	263	290	277	289	12.3	303	306	313	291	314	305	12.4
Vernon.....	311	305	351	308	307	316	12.6	265	325	278	313	325	301	11.9
Vilas.....	147	155	143	171	164	156	12.4	161	183	198	177	204	185	12.3
Walworth.....	625	724	655	616	666	657	10.1	651	600	612	634	626	625	9.2
Washburn.....	141	159	134	150	150	147	12.6	156	157	153	147	136	150	11.5
Washington.....	476	498	549	504	467	499	7.0	508	548	563	542	562	545	6.5
Waukesha.....	1,409	1,557	1,512	1,485	1,500	1,493	6.2	1,586	1,480	1,646	1,665	1,648	1,605	5.7
Waupaca.....	474	494	483	516	525	498	12.6	545	483	569	567	618	556	13.2
Waushara.....	209	193	240	200	214	211	13.4	191	195	210	195	214	201	12.0
Winnebago.....	1,113	1,152	1,090	1,048	1,110	1,103	8.4	1,042	1,076	1,080	1,061	1,099	1,072	8.2
Wood.....	541	576	534	522	537	542	8.1	567	510	525	539	583	545	7.8

Natality

NATALITY

Since 1940, fertility patterns of Wisconsin women of childbearing age have shown a double reversal of trend. 1940 was the end of a long period of declining fertility. Thereafter, the fertility rates increased steadily through 1960, especially for women in their twenties. In 1960, we had 13,000 fewer women aged 20-24, for instance, than in 1940, but we had approximately 16,500 more births to this age group, a 98% increase in births.

Text Table 1 summarizes the changing fertility rates of women 20-24 over the past 40 years. From an historic low in 1940 of 128.7 per thousand it rose by 1950 to 208.5, an increase of nearly 80 per thousand. In the fifties it rose another 76 per thousand to 284.0. In the sixties the decline was even more dramatic than the previous increase, 117 per thousand; 1970 to 1980 saw a further decline of 54.6 per thousand.

Text Table 1

FERTILITY RATES FOR WOMEN 20-24
(Births per 1000 Women)
Wisconsin, 1940-1980

Year	Women 20-24	Resident Live Births	Rate per 1000 women
1940	130,594	16,803	128.7
1950	124,815	26,018	208.5
1960	117,347	33,322	284.0
1970	178,952	29,822	166.6
1971	195,000	27,722	142.2
1972	201,000	23,736	118.1
1973	193,000	22,139	114.7
1974	210,000	23,614	112.4
1975	205,000	23,137	112.9
1976	208,000	22,531	108.3
1977	225,000	23,516	104.5
1978	221,000	23,197	105.0
1979	224,000	24,825	110.8
1980	226,000	25,319	112.0

The change since 1960 has shown a dramatic reversal to lower fertility rates. The decline in fertility rates by age has ranged from 77% for women 35 years and older to 38% for those under twenty. In 1980, the rates for all ages are now below the 1950 rates, and for women 20 and older the rates are now below the 1940 rates (Text Table 2).

Text Table 2

AGE-SPECIFIC FERTILITY RATES
(Per 1000 Women in Each Age Group)
Wisconsin, 1940-1980

	Census Year				
Age Group	1940	1950	1960	1970	1980
15-19	29.9	48.9	64.4	45.1	39.9
20-24	128.7	208.6	284.0	166.6	112.1
25-29	131.4	192.3	235.3	161.9	127.5
30-34	87.9	121.8	141.0	82.6	67.3
35-39	49.2	61.4	75.6	39,7	19.0
40-44	17.0	17.7	21.7	11.4	4.0
45+	7.4	5.5	5.5	3.1	0.2
Total Fertility Rate	2228	3259	4116	2540	1849

The row labelled "Total Fertility Rate" (TFR) summarizes the changes in this measure of fertility. The rate is computed by summing the age-specific rates for all childbearing ages and multiplying by the number of years in the interval (5). It can be interpreted as the number of children that would be born to a cohort of one thousand women if, at all childbearing ages, they bore children at the age-specific rates observed in the reference year. Since, at present death rates and with a sex ratio at birth of 105 males per 100 females, it requires a little over 2,100 births per thousand females to replace themselves in the next generation, the total fertility rate gives us a measure of the fertility growth factor in the population. Thus, as the TFR exceeds 2,100, the next generation will have a larger childbearing population than the present and when the TFR declines below 2,100 for any extended period, the next childbearing generation will be smaller.

In 1940, the TFR for Wisconsin was very close to replacement. By 1950 it had risen by 46% to 3,259, and by 1960 by 85% to 4,116. Had that TFR continued, the childbearing population would have doubled in a single generation. The decline of the TFR in the sixties was greater than the rise in either the forties or the fifties, and the single year decline between 1971 and 1972 shows the most rapid decline of any year for which we have detailed data. The TFR appears to have "bottomed out" in the late 1970's, as the number of births did earlier in the 1970's. In 1980 the 1849 value is still 12% below replacement fertility level.

TABLE 14

LIVE BIRTHS BY COUNTY AND LIVE BIRTHS BY WEDLOCK STATUS
BY RACE AND SEX
WISCONSIN, 1980

(RESIDENT DATA)

COUNTY	TOTAL LIVE BIRTHS		WHITE		BLACK		AMER-INDIAN		OTHER		UNKNOWN	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL	38353	36406	35389	33482	2331	2309	359	349	267	264	7	2
IN WEDLOCK	33061	31345	31773	30064	834	841	190	185	258	254	6	1
OUT-OF-WEDLOCK	5292	5060	3616	3418	1497	1468	169	164	9	10	1	
UNKNOWN STATUS		1										1
ADAMS	85	94	83	92		2	1		1			
ASHLAND	143	136	132	125			11	10		1		
BARRON	329	325	327	320			2	4		1		
BAYFIELD	121	98	108	92			12	6			1	
BROWN	1405	1397	1367	1350	8	4	22	32	8	11		
BUFFALO	124	112	123	111	1					1		
BURNETT	89	78	82	74			7	3		1		
CALUMET	279	267	278	265			1	1		1		
CHIPPEWA	456	447	451	444	1		2		2	3		
CLARK	339	302	339	300		1		1				
COLUMBIA	341	326	339	324	1	1		1	1			
CRAWFORD	139	154	139	154								
DANE	2430	2255	2312	2138	61	65	6	10	51	41		1
DODGE	614	572	607	568			4	1	3	3		
DOOR	212	200	210	197		1	2	1		1		
DOUGLAS	333	369	323	366			10	3				
DUNN	279	258	275	253	1	1	1	3	2	1		
EAU CLAIRE	577	540	566	532			4	2	7	6		
FLORENCE	27	28	27	28								
FOND DU LAC	805	707	794	704	2	1	6	1	3	1		
FOREST	74	66	68	59			6	7				
GRANT	455	412	452	411	1	1			1		1	
GREEN	263	220	263	219						1		
GREEN LAKE	141	121	141	121								
IOWA	178	167	178	165		1				1		
IRON	38	46	38	46								
JACKSON	141	135	132	131	2		7	4				
JEFFERSON	502	471	496	463		1	1		4	7	1	
JUNEAU	183	164	179	160		1	3	2	1	1		
KENOSHA	971	855	918	801	42	41	6	6	5	7		
KEWAUNEE	172	151	172	151								
LA CROSSE	681	668	666	654	6	3	6	6	3	5		
LAFAYETTE	144	145	143	145					1			
LANGLADE	156	131	155	130			1	1				
LINCOLN	198	208	197	206				2			1	
MANITOWOC	676	662	662	652	3		2	3	9	7		
MARATHON	961	969	948	952		2	5	9	8	6		
MARINETTE	346	316	340	316			1		5			
MARQUETTE	87	80	85	80	2							
MENOMINEE	58	53	3	2			55	51				
MILWAUKEE	8130	7711	6056	5678	1934	1890	67	71	73	72		
MONROE	320	287	314	282	2		1	3	3	2		
OCONTO	229	240	229	238				2				
ONEIDA	199	224	196	219			3	4		1		
OUTAGAMIE	1239	1101	1198	1070	2		12	7	27	24		
OZAUKEE	514	478	509	470	3	4	1	1	1	3		
PEPIN	68	60	68	60								
PIERCE	252	255	252	253		1				1		
POLK	272	234	267	231			3	3			2	
PORTAGE	498	429	493	425	1	1	4	2		1		
PRICE	126	116	125	116					1			
RACINE	1490	1490	1306	1283	178	196	2	4	4	7		
RICHLAND	125	150	125	150								
ROCK	1149	1107	1083	1032	62	65	2	1	2	9		
RUSK	109	113	109	113								
ST CROIX	429	406	428	405				1	1			
SAUK	345	309	343	308			2	1				
SAWYER	101	118	85	91			16	27				
SHAWANO	273	255	254	238	1		18	17				
SHEBOYGAN	795	793	778	779	3	3	3	5	11	6		
TAYLOR	210	169	210	168						1		
TREMPEALEAU	185	188	185	188								
VERNON	220	188	219	187			1			1		
VILAS	109	119	94	98		1	15	20				
WALWORTH	509	517	502	511	5	3	1		1	3		
WASHBURN	116	110	116	108				2				
WASHINGTON	735	707	733	706				1	2			
WAUKESHA	1969	1872	1939	1841	5	11	4	2	20	18	1	
WAUPACA	362	335	361	335	1							
WAUSHARA	134	109	129	108	1		3	1	1			
WINNEBAGO	974	927	964	916	2	7	5	1	3	3		
WOOD	615	583	601	574		1	12	3	2	5		
UNKNOWN		1										1

TABLE 17

LIVE BIRTHS BY BIRTH ORDER, WHITE AND NONWHITE, BY AGE OF MOTHER
WISCONSIN, 1980

(RESIDENT DATA)

AGE OF MOTHER	TOTAL	PERCENT	BIRTH ORDER 1		2		3		4		5		6		7		8+		UNKNOWN	
			W	NW	W	NW	W	NW	W	NW	W	NW	W	NW	W	NW	W	NW	W	NW
TOTAL	74751	100.0	29208	2302	22909	1761	10608	917	3821	457	1276	214	499	105	265	52	279	71	7	
LT 15	93	0.1	38	52		3														
15	298	0.4	176	111	4	6			1											
16	801	1.1	549	197	14	36	2	3												
17	1641	2.2	1194	276	90	67	2	9		2									1	
18	2667	3.6	1930	279	309	97	26	22	1	3										
19	3708	5.0	2487	277	663	142	83	41	7	5	1			1					1	
20	4298	5.7	2622	200	1041	165	173	59	17	15	1	2	1				1	1		
21	4798	6.4	2588	186	1442	155	293	63	34	26	2	6					1	1	1	
22	5217	7.0	2499	141	1768	155	465	76	71	29	4	5	2			1				
23	5559	7.4	2465	118	1916	154	620	100	115	37	23	6		3	1				1	
24	5448	7.3	2277	96	1922	126	707	70	156	43	26	17	2	5	1					
25-29	25459	34.1	8134	277	9492	445	4645	311	1414	177	310	84	88	38	15	10	11	5	3	
30-34	11680	15.6	1979	75	3740	171	3036	122	1477	92	530	51	201	35	85	22	43	21		
35-39	2604	3.5	247	13	461	36	517	36	471	25	303	36	158	18	115	17	125	26		
40-44	459	0.6	22	4	47	3	39	5	56	2	75	6	45	3	45	2	91	14		
45+	21	0.0							1	1	1	1	2	2	3		7	3		
UNKNOWN	1	0.0	1																	

Infant Data

TABLE 20

LIVE BIRTHS BY EDUCATION OF MOTHER, BY GRAVIDITY, BY AGE OF MOTHER
WISCONSIN, 1980

(RESIDENT DATA)

EDUCATION OF MOTHER	AGE OF MOTHER	GRAVIDITY (PREVIOUS PREGNANCIES > 20 WEEKS PLUS THIS BIRTH) 1	2	3	4-5	6-7	8-9	10+	UNKNOWN	TOTAL
UNDER 8	UNDER 15	26								26
	15 - 17	27	4	1	1					33
	18 - 19	32	16	5	2					55
	20 - 24	62	65	44	27	2				200
	25 - 29	21	54	48	54	18	2			197
	30 - 34	6	14	25	26	32	2	1		106
	35 - 39	2	4	4	12	12	9	6		49
	40+	1	3	2	3	2	6	12		29
	UNKNOWN	1								1
	TOTAL	178	160	129	125	66	19	19		696
8 - 11	UNDER 15	64	3							67
	15 - 17	2231	201	15	1				1	2449
	18 - 19	1598	707	146	14	1				2466
	20 - 24	989	1548	848	347	14		2	1	3749
	25 - 29	124	355	440	411	65	7			1402
	30 - 34	29	84	121	222	88	25	13		582
	35 - 39	5	14	34	89	59	32	21		254
	40+		8	4	22	17	17	20		88
	UNKNOWN									
	TOTAL	5040	2920	1608	1106	244	81	56	2	11057
12	UNDER 15									
	15 - 17	232	15		1					248
	18 - 19	3058	488	32	3					3581
	20 - 24	8144	5783	1562	271	5		1		15766
	25 - 29	3016	4949	2936	1203	78	2	1		12185
	30 - 34	490	1296	1380	1146	172	19	1	1	4505
	35 - 39	96	171	251	437	171	50	20		1196
	40+	9	14	17	77	52	25	16		210
	UNKNOWN									
	TOTAL	15045	12716	6178	3138	478	96	39	1	37691
13 - 15	UNDER 15									
	15 - 17		1							1
	18 - 19	238	21							259
	20 - 24	3033	1293	221	34	1				4582
	25 - 29	2204	2577	1156	330	12	2	3		6284
	30 - 34	413	856	717	491	44	6			2527
	35 - 39	49	89	90	141	47	17		1	434
	40+	5	6	8	21	19	6	8		73
	UNKNOWN									
	TOTAL	5942	4843	2192	1017	123	31	11	1	14160
16+	UNDER 15									
	15 - 17	1								1
	18 - 19	3	1							4
	20 - 24	811	163	11	5					990
	25 - 29	2923	1924	443	70			1		5361
	30 - 34	1078	1575	933	332	23	2		1	3944
	35 - 39	103	202	175	151	31	6			668
	40+	9	19	14	19	10	3	5	1	80
	UNKNOWN									
	TOTAL	4928	3884	1576	577	64	11	6	2	11048
UNKNOWN	UNDER 15									
	15 - 17	8		1						9
	18 - 19	12	1						1	14
	20 - 24	20	6	1	3				4	34
	25 - 29	11	7	8	1	1			4	32
	30 - 34	4	5	1	4	2	2			18
	35 - 39				1	1	1			3
	40+									
	UNKNOWN								1	1
	TOTAL	55	19	11	9	4	3		10	111

TABLE 21

LIVE BIRTHS OF CHILDREN BORN WITH REPORTED CONGENITAL ANOMALIES, BY AGE OF MOTHER
WISCONSIN, 1980

(RESIDENT DATA)

ANOMALIES	ICD-9	TOTAL			AGE OF MOTHER							
		MALE	FEMALE	UNKNOWN	< 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	UNKNOWN
ANENCEPHALUS AND SIMILAR ANOMALIES	740	5	9			2	6	5	1				
SPINA BIFIDA	741	14	19			2	12	15	2	2			
OTHER ANOMALIES OF NERVOUS SYSTEM	742	17	9			6	7	7	6				
CONGENITAL ANOMALIES OF THE EYE	743	3	1			1		1	1	1			
ANOMALIES OF EAR, FACE AND NECK	744	9	11				4	10	5	1			
BULBUS CORDES AND CARDIAC SEPTAL	745	6	7			1	3	4	4		1		
OTHER ANOMALIES OF THE HEART	746	22	19			3	17	9	8	4			
ANOMALIES OF CIRCULATORY SYSTEM	747	17	10			1	6	10	7	2	1		
ANOMALIES OF RESPIRATORY SYSTEM	748	6	3				3	5	1				
CLEFT PALATE AND CLEFT LIP	749	48	28			11	21	26	13	4	1		
OTHER OF UPPER ALIMENTARY TRACT	750	14	10			4	4	3	7	5	1		
OTHER OF DIGESTIVE SYSTEM	751	13	9			3	6	12	1				
ANOMALIES OF GENITAL ORGANS	752	89	6			9	39	28	16	3			
ANOMALIES OF URINARY SYSTEM	753	17	6			2	7	11	2	1			
CONGEN. MUSCULOSKELETAL DEFORMITIES	754	41	43			11	36	25	8	3	1		
CONGEN. ANOMALIES OF THE LIMBS	755	39	48		1	14	35	19	13	4	1		
OTHER MUSCULOSKELETAL ANOMALIES	756	22	11			6	11	10	2	4			
ANOMALIES OF THE INTEGUMENT	757	21	16			7	13	13	4				
CHROMOSOMAL ANOMALIES	758	10	25			1	4	12	9	4	4		1
OTHER AND UNSPECIFIED CONGEN. ANOM.	759	15	9			5	9	7	3				
SUBTOTAL		428	299		1	89	243	232	113	38	10		1
OTHER (*)		37	31			7	29	17	11	3	1		
TOTAL		465	330		1	96	272	249	124	41	11		1

* - CONGENITAL ANOMALIES OUTSIDE THE RANGE OF 740-759
Most of the cases were reported as benign neoplasms (14), hernia of abdominal cavity (31) and endocrine, nutritional and metabolic diseases and immunity disorders (11). The rest are scattered among malignant neoplasms; neoplasms unspecified; diseases of blood and blood-forming organs; nervous system and sense organs; diseases of circulatory system; diseases of oral cavity, salivary glands and jaws; and diseases of skin and subcutaneous tissue.

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1980

P. 1 of 6 pages (Residence and Occurrence Data)

AREA	Live Births		Fetal Dths*	Deaths		Infant Deaths	
	Residence	Occurrence	Occurrence	Residence	Occurrence	Residence	Occurrence
STATE TOTAL	74,763	74,356	549	40,801	40,839	763	769
Urban	52,581**	71,197	515	29,541	34,859	538	723
Balance of State	22,182	3,159	34	11,260	5,980	225	46
ADAMS	179	85	1	136	116	1	2
ASHLAND	279	480	7	219	253	1	1
Ashland (C)	144	478	7	139	236	1	1
Balance of County	135	2	0	80	17	0	0
BARRON	654	724	5	411	389	4	3
Barron (C)	51	145	0	35	85	0	1
Rice Lake (C)	101	403	3	113	165	0	2
Balance of County	502	176	2	263	139	4	0
BAYFIELD	219	40	0	146	87	2	0
BROWN	2,802	3,779	27	1,181	1,535	23	64
Allouez (T)	141	1	0	70	29	3	2
Ashwaubenon (V)	236	1	0	75	52	3	1
Bellevue (T)	102	2	0	18	5	0	0
De Pere (C)	220	2	0	90	17	3	0
Green Bay (C)	1,447	3,762	27	728	1,367	10	61
Hobart (T)	53	1	0	9	2	0	0
Howard (V)	163	1	0	24	4	1	0
Suamico (T)	50	1	0	10	3	0	0
Balance of County	390	8	0	157	56	3	0
BUFFALO	236	29	0	129	88	5	2
Mondavi (C)	38	26	0	43	50	0	0
Balance of County	198	3	0	86	38	5	2
BURNETT	167	70	2	168	127	1	1
CALUMET	546	133	0	205	166	9	0
Appleton (C) (Pt.)	105	0	0	14	5	2	0
Brillion (C)	54	0	0	24	6	1	0
Chilton (C)	45	128	0	40	114	0	0
Harrison (T)	53	1	0	10	4	0	0
Kiel (C) (Pt.)	10	0	0	3	0	0	0
New Holstein (C)	50	0	0	46	26	1	0
Balance of County	229	4	0	68	11	5	0
CHIPPEWA	903	641	0	456	412	11	5
Bloomer (C)	50	84	0	44	60	0	2
Chippewa Falls (C)	203	462	0	150	194	2	2
Eagle Point (T)	33	0	0	42	42	0	0
Eau Claire (C) (Pt.)	27	0	0	1	1	0	0
Hallie (T)	79	0	0	17	3	2	0
Lafayette (T)	65	0	0	13	5	1	0
Balance of County	446	95	0	189	107	6	1
CLARK	641	142	0	316	199	7	3
Neillsville (C)	45	117	0	47	95	1	1
Balance of County	596	25	0	269	104	6	2
COLUMBIA	667	506	2	436	402	12	7
Columbus (C)	63	226	2	55	100	1	1
Portage (C)	114	277	0	101	182	2	5
Wisconsin Dells (C) (Pt.)	22	0	0	41	33	1	0
Balance of County	468	3	0	239	87	8	1
CRAWFORD	293	261	1	167	135	1	0
Prairie du Chien (C)	103	255	1	73	105	0	0
Balance of County	190	6	0	94	30	1	0

*In past publications, fetal deaths for Wisconsin residents were in fact fetal deaths occurring in Wisconsin to residents. Therefore the resident total in past years did not include fetal deaths to residents occurring outside the state.

**One resident birth, county of residence unknown, included in non-urban total

In cases where a city lies in more than one county, the events for each part (Pt.) are allocated to the appropriate county.

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1980

P. 2 of 6 pages (Residence and Occurrence Data)

AREA	Live Births		Fetal Dths	Deaths		Infant Deaths	
	Residence	Occurrence	Occurrence	Residence	Occurrence	Residence	Occurrence
DANE	4,685	5,646	47	1,928	2,692	42	89
Burke (T)	40	0	0	14	14	0	0
Cottage Grove (T)	41	0	0	16	6	2	0
De Forest (V)	72	0	0	13	2	1	0
Dunn (T)	85	0	0	15	3	0	0
Fitchburg (T)	185	1	0	19	12	0	0
Madison (C)	2,276	5,474	47	1,089	1,934	22	87
Madison (T)	72	1	0	13	2	0	0
McFarland (V)	76	0	0	13	1	0	0
Middleton (C)	199	1	0	43	14	1	0
Middleton (T)	39	0	0	5	3	0	0
Monona (C)	82	1	0	57	11	1	0
Mount Horeb (V)	44	0	0	42	35	0	0
Oregon (V)	83	0	0	20	8	0	0
Pleasant Springs (T)	41	0	0	9	3	0	0
Stoughton (C)	132	160	0	116	135	4	1
Sun Prairie (C)	239	0	0	67	55	2	1
Verona (C)	55	1	0	29	27	1	0
Waunakee (V)	68	0	0	26	21	1	0
Westport (T)	36	0	0	12	3	1	0
Windsor (T)	72	2	0	7	3	0	0
Balance of County	748	5	0	303	420	6	0
DODGE	1,186	1,213	16	678	734	11	3
Beaver Dam (C)	207	576	10	175	272	2	1
Beaver Dam (T)	42	0	0	19	7	0	0
Horicon (C)	65	0	0	17	3	0	0
Mayville (C)	94	0	0	52	8	1	0
Watertown (C) (Pt.)	94	411	3	73	207	1	0
Waupun (C) (Pt.)	65	222	3	55	112	1	2
Balance of County	619	4	0	287	125	6	0
DOOR	412	332	0	262	213	5	2
Sevastopol (T)	38	0	0	11	5	0	0
Sturgeon Bay (C)	148	326	0	113	156	3	2
Balance of County	226	6	0	138	52	2	0
DOUGLAS	702	206	1	457	356	4	1
Superior (C)	488	203	1	333	282	3	0
Balance of County	214	3	0	124	74	1	1
DUNN	537	450	6	240	188	4	1
Menomonie (C)	127	448	6	101	133	1	0
Menomonie (T)	49	0	0	11	1	0	0
Balance of County	361	2	0	128	54	3	1
EAU CLAIRE	1,117	1,779	15	646	812	16	16
Altoona (C)	68	0	0	28	2	1	0
Eau Claire (C) (Pt.)	689	1,777	0	436	746	9	15
Seymoor (T)	43	0	0	14	1	2	0
Union (T)	50	0	0	19	9	0	0
Washington (T)	76	0	0	24	5	0	0
Balance of County	191	2	15	125	49	4	1
FLORENCE	55	1	0	52	27	0	0
FOND DU LAC	1,512	1,598	5	824	809	16	7
Fond du Lac (C)	608	1,490	5	416	620	6	6
Fond du Lac (T)	49	1	0	20	6	1	0
North Fond du Lac (V)	52	0	0	24	3	1	1
Ripon (C)	90	103	0	68	110	0	0
Taycheedah (T)	52	0	0	14	0	0	0
Waupun (C) (Pt.)	52	0	0	18	1	0	0
Balance of County	609	4	0	264	69	8	0
FOREST	140	1	0	104	56	0	0
GRANT	867	617	3	454	405	9	4
Boscobel (C)	38	92	0	49	70	0	0
Lancaster (C)	80	263	2	51	91	0	2
Platteville (C)	126	145	0	76	70	1	0
Balance of County	623	117	1	278	174	8	2
GREEN	483	670	2	311	378	2	5
Brodhead (C)	54	0	0	38	4	0	0
Monroe (C)	131	667	2	136	280	1	5
Balance of County	298	3	0	137	94	1	0
GREEN LAKE	262	186	2	208	159	3	0
Berlin (C) (Pt.)	67	184	2	64	98	0	0
Balance of County	195	2	0	144	61	3	0
IOWA	345	202	2	204	162	4	1
Dodgeville (C)	60	201	2	43	85	0	1
Balance of County	285	1	0	161	77	4	0
IRON	84	0	0	93	41	0	0

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1980

P. 3 of 6 pages (Residence and Occurrence Data)

AREA	Live Births		Fetal Dths	Deaths		Infant Deaths	
	Residence	Occurrence	Occurrence	Residence	Occurrence	Residence	Occurrence
JACKSON	276	271	4	179	146	5	4
Black River Falls (C)	56	269	4	69	114	1	2
Balance of County	220	2	0	110	32	4	2
JEFFERSON	973	360	1	605	429	4	1
Ft. Atkinson (C)	169	356	1	104	286	2	1
Ixonia (T)	38	0	0	14	3	1	0
Jefferson (C)	89	1	0	50	8	0	0
Jefferson (T)	38	0	0	53	53	0	0
Koshkonong (T)	38	0	0	23	8	0	0
Lake Mills (C)	58	0	0	47	19	0	0
Watertown (C) (Pt.)	215	1	0	141	16	0	0
Whitewater (C) (Pt.)	7	0	0	1	0	0	0
Balance of County	321	2	0	172	36	1	0
JUNEAU	347	168	0	221	137	4	2
Mauston (C)	47	164	0	64	85	2	0
Wisconsin Dells (C) (Pt.)	2	0	0	0	0	0	0
Balance of County	298	4	0	157	52	2	2
KENOSHA	1,826	1,560	21	1,093	973	17	8
Bristol (T)	65	1	0	22	6	0	0
Kenosha (C)	1,213	1,555	21	778	877	14	8
Pleasant Prairie (T)	134	0	0	68	22	1	0
Salem (T)	124	0	0	57	16	0	0
Somers (T)	91	2	0	37	10	0	0
Twin Lakes (V)	46	0	0	54	25	0	0
Wheatland (T)	42	1	0	16	2	0	0
Balance of County	111	1	0	61	15	2	0
KEWAUNEE	323	124	2	166	131	5	0
Algoma (C)	45	51	0	49	56	1	0
Kewaunee (C)	51	68	2	36	49	0	0
Balance of County	227	5	0	81	24	4	0
LA CROSSE	1,350	2,554	23	768	1,225	9	39
Campbell (T)	77	0	0	18	5	0	0
La Crosse (C)	577	2,553	23	520	1,091	3	37
Onalaska (C)	160	0	0	61	43	2	0
Onalaska (T)	116	0	0	19	6	2	0
Shelby (T)	64	1	0	20	12	0	0
West Salem (V)	67	0	0	36	30	0	0
Balance of County	289	0	0	94	38	2	2
LAFAYETTE	289	128	0	139	84	4	0
LANGLADE	287	339	3	207	195	6	3
Antigo (C)	142	339	3	118	168	4	3
Balance of County	145	0	0	89	27	2	0
LINCOLN	406	313	1	284	284	4	2
Merrill (C)	137	235	1	134	191	1	1
Tomahawk (C)	59	76	0	53	84	1	1
Balance of County	210	2	0	97	9	2	0
MANITOWOC	1,338	1,169	6	779	690	24	10
Kiel (C) (Pt.)	40	0	0	28	3	2	0
Manitowoc (C)	528	692	6	419	502	10	7
Manitowoc Rapids (T)	35	1	0	17	11	1	0
Two Rivers (C)	238	470	0	120	119	2	2
Two Rivers (T)	31	0	0	13	6	0	0
Balance of County	466	6	0	182	49	9	1
MARATHON	1,930	1,584	9	853	748	16	6
Kronenwetter (T)	115	0	0	19	2	2	0
Marshfield (C) (PT.)	0	0	0	1	1	0	0
Mosinee (C)	69	0	0	28	8	0	0
Rib Mountain (T)	56	0	0	13	4	0	0
Rothschild (V)	61	0	0	26	4	0	0
Stettin (T)	58	0	0	19	12	0	0
Wausau (C)	526	1,579	9	369	566	5	5
Weston (T)	218	2	0	68	51	2	0
Balance of County	827	3	0	310	100	7	1
MARINETTE	662	863	7	446	371	9	9
Marinette (C)	221	861	7	162	235	3	6
Peshtigo (C)	31	0	0	48	40	1	0
Peshtigo (T)	60	0	0	26	18	0	0
Balance of County	350	2	0	210	78	5	3
MARQUETTE	167	0	0	134	50	0	0

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1980

P. 4 of 6 pages (Residence and Occurrence Data)

AREA	Live Births		Fetal Dths	Deaths		Infant Deaths	
	Residence	Occurrence	Occurrence	Residence	Occurrence	Residence	Occurrence
MENOMINEE	111	0	0	36	13	1	0
MILWAUKEE	15,842	17,761	153	9,278	9,836	192	265
Bayside (V) (Pt.)	40	0	0	55	41	0	0
Brown Deer (V)	126	10	0	75	12	0	0
Cudahy (C)	273	716	10	169	409	2	8
Fox Point (V)	45	1	0	54	2	0	0
Franklin (C)	241	1	0	81	3	3	0
Glendale (C)	107	0	0	187	133	1	0
Greendale (V)	212	2	0	67	9	2	0
Greenfield (C)	388	1	0	240	51	4	0
Hales Corners (V)	79	0	0	55	2	1	0
Milwaukee (C) (Pt.)	11,723	13,963	116	6,426	7,364	164	200
Oak Creek (C)	255	0	0	73	1	1	0
Shorewood (V)	140	0	0	175	40	0	0
South Milwaukee (C)	309	1	0	173	23	0	0
St. Francis (C)	153	2	0	90	27	2	0
Wauwatosa (C)	566	1,066	11	557	982	3	47
West Allis (C)	938	1,996	16	648	725	7	10
West Milwaukee (V)	40	1	0	53	3	1	0
Whitefish Bay (V)	190	1	0	90	6	1	0
Balance of County	17	0	0	10	3	0	0
MONROE	607	353	1	339	350	9	3
Sparta (C)	113	124	0	89	82	4	0
Tomah (C)	101	219	1	97	186	2	1
Balance of County	393	10	0	153	82	3	2
OCONTO	469	169	0	300	217	7	1
Oconto (C)	64	52	0	92	86	5	1
Oconto Falls (C)	43	117	0	28	69	0	0
Balance of County	362	0	0	180	62	2	0
ONEIDA	423	821	5	316	411	10	2
Minocqua (T)	37	0	0	44	11	3	0
Pelican (T)	45	0	0	22	8	0	0
Pine Lake (T)	32	0	0	17	5	0	0
Rhinelander (C)	119	529	3	108	193	2	2
Balance of County	190	292	2	125	194	5	0
OUTAGAMIE	2,340	2,645	13	895	1,000	22	11
Appleton (C) (Pt.)	918	2,314	12	419	676	10	7
Center (T)	41	0	0	7	2	0	0
Combined Locks (V)	37	0	0	9	2	1	0
Freedom (T)	74	0	0	11	2	1	0
Grand Chute (T)	142	2	0	62	44	1	0
Greenville (T)	55	1	0	11	5	0	0
Kaukauna (C)	236	103	1	103	58	0	0
Kimberly (V)	92	1	0	28	5	1	0
Little Chute (V)	192	3	0	59	47	2	0
New London (C) (Pt.)	20	213	0	25	112	1	3
Oneida (T)	65	1	0	21	9	1	0
Seymour (C)	49	1	0	28	5	0	0
Balance of County	419	6	0	112	33	4	1
OZAUKEE	992	397	2	437	310	7	4
Bayside (V) (Pt.)	1	0	0	0	0	0	0
Cedarburg (C)	181	2	0	84	43	0	0
Cedarburg (T)	25	1	0	15	4	0	0
Grafton (T)	14	1	0	7	4	0	0
Grafton (V)	162	3	0	36	8	0	0
Mequon (C)	181	5	0	105	73	1	0
Port Washington (C)	150	380	2	89	161	2	4
Saukville (V)	94	2	0	19	5	1	0
Theinsville (V)	28	0	0	29	5	0	0
Balance of County	156	3	0	53	7	3	0
PEPIN	128	121	1	107	88	3	1
PIERCE	507	4	0	234	121	2	0
Prescott (C)	62	1	0	9	2	0	0
River Falls (C) (Pt.)	101	1	0	33	5	1	0
Balance of County	344	2	0	192	114	1	0
POLK	506	575	0	319	313	4	4
PORTAGE	928	944	9	360	321	7	2
Hull (T)	101	1	0	8	3	1	0
Plover (V)	108	0	0	10	0	0	0
Stevens Point (C)	284	928	9	184	240	3	2
Balance of County	435	15	0	158	78	3	0
PRICE	242	140	1	211	173	2	0
Park Falls (C)	60	132	1	57	96	1	0
Balance of County	182	8	0	154	77	1	0

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD's AND BALANCE OF COUNTY
Wisconsin, 1980

P. 5 of 6 pages (Residence and Occurrence Data)

AREA	Live Births		Fetal Dths	Deaths		Infant Deaths	
	Residence	Occurrence	Occurrence	Residence	Occurrence	Residence	Occurrence
RACINE	2,980	3,035	25	1,393	1,365	36	16
Burlington (C) (Pt.)	173	710	9	88	232	0	1
Burlington (T)	86	1	0	36	2	0	0
Caledonia (T)	239	2	0	97	30	1	1
Dover (T)	38	0	0	12	5	0	0
Mt. PLeasant (T)	243	0	0	135	132	0	0
Norway (T)	36	0	0	7	5	0	0
Racine (C)	1,722	2,321	16	836	933	25	14
Raymond (T)	39	0	0	7	1	0	0
Sturdevant (V)	79	0	0	21	0	0	0
Union Grove (V)	66	0	0	21	2	5	0
Waterford (T)	95	0	0	50	11	2	0
Yorkville (T)	48	0	0	19	6	1	0
Balance of County	116	1	0	64	6	2	0
RICHLAND	275	279	6	184	162	2	2
Richland Center (C)	55	273	6	74	111	1	2
Balance of County	220	6	0	110	51	1	0
ROCK	2,256	2,507	11	1,205	1,158	25	16
Beloit (C)	699	883	5	359	439	9	7
Beloit (T)	55	2	1	64	15	0	0
Edgerton (C)	58	62	1	62	128	0	0
Evansville (C)	44	0	0	43	13	1	0
Fulton (T)	44	1	0	22	4	0	0
Janesville (C)	859	1,556	4	370	373	11	9
Janesville (T)	32	1	0	43	73	0	0
Milton (C)	71	1	0	38	5	0	0
Rock (T)	29	0	0	57	52	1	0
Turtle (T)	34	0	0	14	5	2	0
Balance of County	331	1	0	133	51	1	0
RUSK	222	182	0	135	125	3	2
Ladysmith (C)	55	181	0	68	88	1	2
Balance of County	167	1	0	67	37	2	0
ST.CROIX	835	734	3	303	297	7	2
Hudson (C)	151	209	1	41	54	0	0
New Richmond (C)	102	201	0	48	63	3	1
River Falls (C) (Pt.)	28	193	1	35	71	0	0
Balance of County	554	131	1	179	109	4	1
SAUK	654	638	2	433	432	8	5
Baraboo (C)	106	303	2	106	157	0	4
Reedsburg (C)	80	182	0	72	74	1	0
Sauk City (V)	36	0	0	25	16	1	0
Wisconsin Dells (C) (Pt.)	5	0	0	3	1	0	0
Balance of County	427	153	0	227	184	6	1
SAWYER	219	145	1	155	141	4	3
SHAWANO	528	447	4	414	356	3	2
Shawano (C)	93	444	4	138	244	0	2
Wescott (T)	38	1	0	25	7	0	0
Balance of County	397	2	0	251	105	3	0
SHEBOYGAN	1,588	1,638	15	954	927	10	5
Holland (T)	44	0	0	12	4	0	0
Lima (T)	44	0	0	10	5	0	0
Plymouth (C)	124	128	1	65	75	0	1
Plymouth (T)	45	0	0	57	93	1	0
Sheboygan (C)	757	1,502	14	542	672	6	3
Sheboygan (T)	42	0	0	30	7	0	0
Sheboygan Falls (C)	83	1	0	41	6	0	0
Wilson (T)	39	0	0	16	8	0	0
Balance of County	410	7	0	181	57	3	1
TAYLOR	379	387	2	159	134	4	1
Medford (C)	87	378	2	56	103	1	1
Balance of County	292	9	0	103	31	3	0
TREMPEALEAU	373	132	1	314	259	1	1
VERNON	408	475	4	325	265	7	1
Viroqua (C)	45	310	4	65	109	0	0
Balance of County	363	165	0	260	156	7	1
VILAS	228	88	0	204	165	2	0

Table 23

LIVE BIRTHS, FETAL DEATHS, DEATHS, AND INFANT DEATHS
BY COUNTY, SELECTED MCD'S AND BALANCE OF COUNTY
Wisconsin, 1980

P. 6 of 6 pages (Residence and Occurrence Data)

AREA	Live Births		Fetal Dths	Deaths		Infant Deaths	
	Residence	Occurrence	Occurrence	Residence	Occurrence	Residence	Occurrence
WALWORTH	1,026	332	0	626	447	8	3
Bloomfield (T)	46	0	0	25	8	0	0
Delavan (C)	89	0	0	68	29	2	0
Delavan (T)	61	0	0	40	5	0	0
East Troy (T)	39	0	0	17	5	2	0
Elkhorn (C)	80	0	0	43	10	2	1
Geneva (T)	41	326	0	45	278	0	2
Lake Geneva (C)	78	0	0	68	13	0	0
Lyons (T)	37	0	0	16	3	0	0
Sugar Creek (T)	44	1	0	19	3	0	0
White Water (C) (Pt.)	89	0	0	70	23	0	0
Balance of County	422	5	0	215	70	2	0
WASHBURN	226	268	1	136	135	2	0
WASHINGTON	1,442	1,074	3	562	491	1	2
Addison (T)	40	0	0	9	2	0	0
Barton (T)	32	0	0	8	0	0	0
Erin (T)	21	0	0	12	4	0	0
Germantown (V)	170	0	0	41	6	0	0
Hartford (C)	155	411	3	72	129	0	0
Hartford (T)	53	0	0	15	6	0	0
Jackson (T)	29	0	0	12	3	0	0
Milwaukee (C) (Pt.)	1	0	0	0	0	0	0
Polk (T)	39	0	0	13	4	0	0
Richfield (T)	89	2	0	21	5	0	0
Trenton (T)	47	0	0	21	3	0	0
West Bend (C)	441	660	0	168	262	0	2
West Bend (T)	46	0	0	69	52	0	0
Balance of County	279	1	0	101	15	1	0
WAUKESHA	3,841	3,865	23	1,648	1,620	29	14
Brookfield (C)	285	815	5	201	194	3	0
Brookfield (T)	22	0	0	7	2	0	0
Delafield (C)	68	2	0	23	13	4	1
Delafield (T)	60	0	0	12	4	0	0
Elm Grove (V)	37	0	0	65	27	0	0
Genesse (T)	65	0	0	18	1	0	0
Hartland (V)	151	1	1	36	5	1	0
Lisbon (T)	81	0	0	34	8	1	0
Menomonee Falls (V)	286	908	2	142	245	0	2
Merton (T)	59	1	0	33	1	1	0
Mukwonago (T)	74	0	0	19	7	0	0
Mukwonago (V)	135	2	0	24	6	1	1
Muskego (C)	195	2	0	78	32	2	0
New Berlin (C)	344	1	0	125	102	1	0
Oconomowoc (C)	175	599	4	101	237	0	5
Oconomowoc (T)	87	0	0	52	9	2	1
Ottawa (T)	28	0	0	12	3	0	0
Pewaukee (T)	87	1	0	74	100	0	0
Pewaukee (V)	101	2	0	65	38	0	0
Summit (T)	41	0	0	27	77	0	0
Sussex (V)	71	0	0	24	3	1	0
Vernon (T)	81	0	0	8	2	1	0
Waukesha (C)	998	1,527	10	351	471	6	4
Waukesha (T)	57	1	0	23	7	0	0
Balance of County	253	3	1	94	26	5	0
WAUPACA	697	426	3	618	504	11	5
Clintonville (C)	64	146	2	77	106	0	0
Farmington (T)	34	0	0	114	80	2	0
New London (C) (Pt.)	97	1	0	70	28	3	1
Waupaca (C)	88	254	1	73	167	1	0
Balance of County	414	25	0	284	123	5	4
WAUSHARA	243	159	1	214	182	3	0
Berlin (C) (Pt.)	4	0	0	3	0	0	0
Balance of County	239	159	1	211	182	3	0
WINNEBAGO	1,901	2,169	17	1,099	1,152	19	45
Algoma (T)	31	1	0	16	3	0	0
Appleton (C) (Pt.)	1	0	0	0	0	0	0
Menasha (C)	256	0	0	117	17	2	0
Menasha (T)	203	0	0	75	39	2	0
Neenah (C)	346	1,419	16	169	401	2	39
Neenah (T)	30	0	0	15	1	1	0
Omro (C)	38	0	0	49	26	1	0
Oshkosh (C)	693	747	1	472	584	9	6
Oshkosh (T)	42	1	0	59	46	0	0
Balance of County	261	1	0	127	35	2	0
WOOD	1,199	2,222	21	583	965	12	50
Grand Rapids (T)	113	0	0	25	4	0	0
Marshfield (C) (Pt.)	306	1,504	17	163	634	3	47
Nekoosa (C)	29	0	0	21	3	1	0
Saratoga (T)	67	0	0	17	3	0	0
Wisconsin Rapids (C)	224	717	0	181	229	4	2
Balance of County	460	1	4	176	92	4	1

Mortality

MORTALITY

Between 1910 and 1980, the crude death rate for Wisconsin residents decreased from 12.1 per 1,000 population to 8.7. (Table 7 is Summary of Vital Statistics, p. 17). The 1979 crude death rate of 8.4 is the lowest ever recorded in Wisconsin. In contrast, the highest death rate (13.6) was observed in 1918, attributable largely to the influenza and pneumonia epidemic in that year--military deaths are excluded from these tabulations. (Data for years 1910 thru 1929 appear in the 1979 Public Health Statistics report).

Since 1919, the crude death rate fluctuated considerably for a period of about thirty years. The crude death rate from 1948 until 1969 was relatively stable--9.6 per thousand. This apparent stability represents the cancellation of two contrary trends: (1) a gradual aging of the population with its tendency to increase the number of deaths and death rate, and (2) a gradual downward trend in the age-specific death rates.

In 1980, 40,801 deaths occurred to Wisconsin residents; 22,095 decedents were male and 18,706, female. The crude death rate for males (9.6 per 1,000 population) was considerably higher than for females (7.8). This is true at nearly every age, as shown below.

Text Table 3

TOTAL DEATH AND DEATH RATES BY SEX AND AGE GROUPS
Wisconsin, 1980

	Males		Females	
Age Groups	Number	Rate*	Number	Rate*
Total	22,095	9.6	18,706	7.8
Under 1 year	442	11.4	321	8.8
1- 4	79	0.6	78	0.6
5- 9	46	0.3	30	0.2
10-14	74	0.4	34	0.2
15-24	650	1.4	225	0.5
25-34	516	1.4	224	0.6
35-44	552	2.2	304	1.2
45-54	1,364	6.1	832	3.6
55-64	3,228	15.6	1,832	8.0
65-69	2,643	31.3	1,583	15.8
70-74	3,076	48.9	2,009	24.3
75-79	3,137	72.5	2,598	40.4
80-84	2,842	111.3	3,196	71.0
85+	3,443	196.0	5,439	142.9
Unk	3		1	

*Rate per 1,000 population

Leading Causes of Death

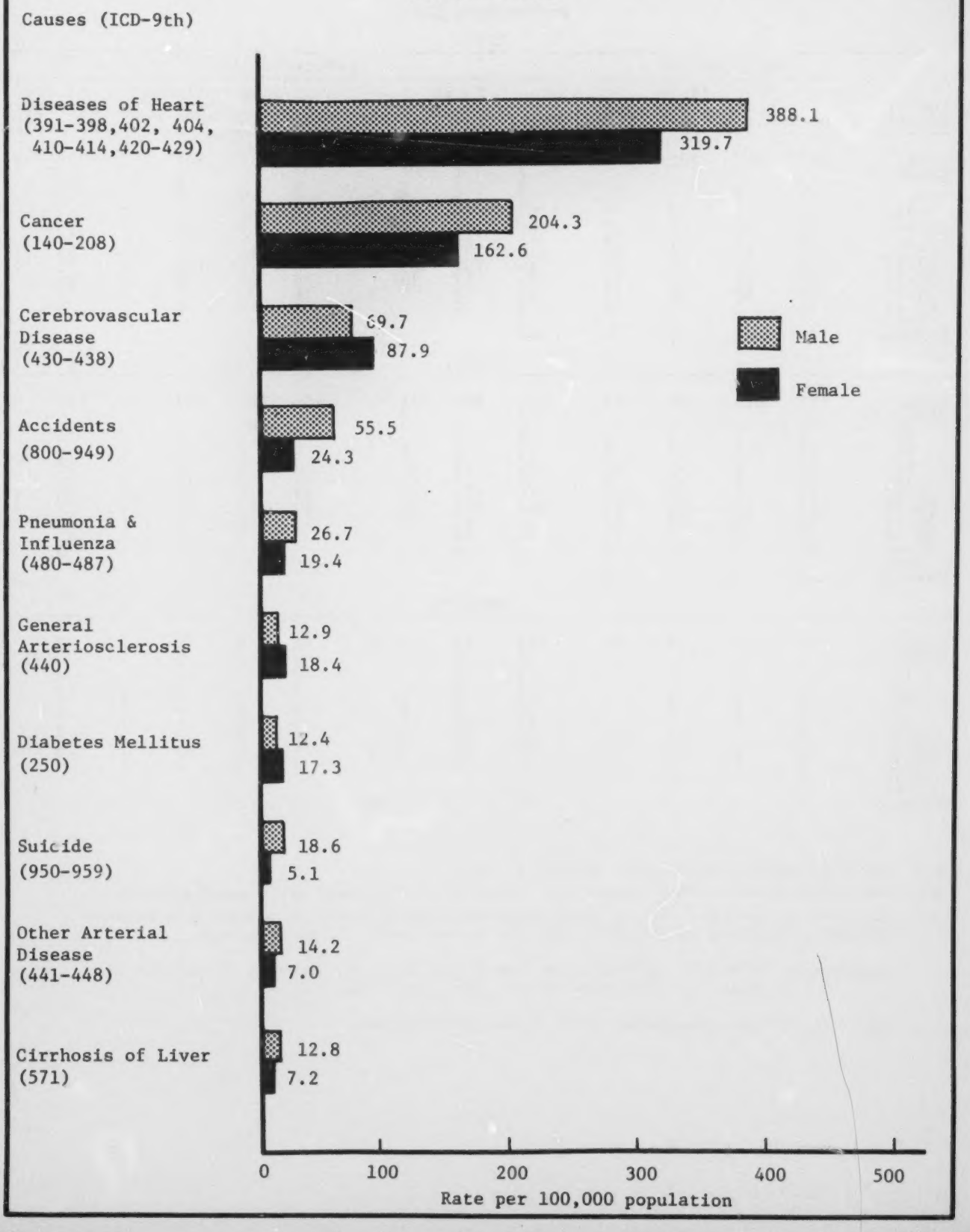
The first five leading causes of death for 1980 retained their respective standings when compared to 1979. The leading causes of death and cause-specific rates per 100,000 population are displayed in Table 8 in the Summary of Vital Events (pp. 18-22) and Figure 6. Heart disease, cancer and cerebrovascular disease together accounted for 71 percent of all Wisconsin deaths in 1980.

The most significant recent change in age-specific mortality is the accelerated decline in death rates for the elderly. Earlier declines in this century had affected the death rates of the young, but since the late 1960's the most rapid declines are seen in the rates in the 65-74, 75-84 and 85+ categories. The cause-specific changes are principally in the cardiovascular groups.

Accidents were the leading cause of death for all ages from 1 to 34, accounting for 50.4 percent of all deaths in these years of life. Among persons aged 15 to 34, 55.2% of male decedents and 41.0% of female decedents died from accidental causes. 62.6% of the 650 male decedents in the age group 15-24 died in accidents, and approximately 77% of these accidental deaths (407) were due to motor vehicle accidents.

Between ages 35 and 64, cancer was the leading cause of death among females, accounting for 42.5% of deaths in this age range. Among males, however, the leading cause of death at all ages over 44 was heart disease. This cause accounted for 44.3% of all deaths. These differences regarding the order of importance of certain disease between the sexes begin to fade away at age 55, as heart disease, cancer and cerebrovascular disease completely dominate the leading causes of death.

Figure 6
LEADING CAUSES OF DEATH BY SEX
Wisconsin, 1980
(Resident Data)



substitute this for entire Table 25

Table 25

FETAL AND INFANT DEATHS BY BIRTHWEIGHT GROUP AND AGE OF MOTHER
WHITE AND NONWHITE
Wisconsin, 1980

(Occurrence Data)

TOTAL

Age of Mother	Fetal Deaths				Infant Deaths									
					Total				<28 days		<7 days		<1 day	
	Total	1000 grams &less	1001-2500 grams	2501+ grams	Total	Prem	Term	Unk	Prem	Term	Prem	Term	Prem	Term
Total	549[1]	155	153	178	772	421	292	59	345	132	304	91	215	46
Under 15					2	1	1		1		1			
15	4	2	1		4	3	1		2		2		2	
16	6	1	2	2	10	7	2	1	6	1	4		2	
17	17	7	3	2	27	15	11	1	8	6	6	2	4	1
18	33	10	8	10	59	43	16		37	4	30	3	25	3
19	30	9	8	9	45	30	14	1	21	5	18	3	11	1
20-24	169	43	52	55	240	120	116	4	95	46	86	33	61	19
25-29	154	42	43	54	215	127	83	5	109	44	98	36	67	16
30-34	85	24	23	30	91	53	38		46	22	40	11	28	5
35-39	29	10	5	11	28	18	9	1	16	4	15	3	11	1
40-44	11	3	4	3	4	4			4		4		4	
45+					1		1							
Unknown	11	4	4	2	46			46						

WHITE

Total	486	131	137	167	629	351	267	11	297	123	264	83	185	43
Under 15					1		1							
15	1	1			2	1	1		1		1		1	
16	6	1	2	2	7	4	2	1	3	1	1		1	
17	11	2	3	2	19	10	8	1	5	5	4	1	2	1
18	29	8	7	10	45	35	10		31	2	24	2	20	2
19	26	5	8	9	34	20	13	1	14	4	13	2	9	1
20-24	148	41	43	49	214	105	105	4	87	44	79	31	55	18
25-29	137	36	39	50	190	107	80	3	94	42	87	34	58	16
30-34	83	23	23	29	84	47	37		42	21	36	10	24	4
35-39	27	9	5	11	28	18	9	1	16	4	15	3	11	1
40-44	11	3	4	3	4	4			4		4		4	
45+					1		1							
Unknown	7	2	3	2										

NONWHITE

Total	57	23	14	10	143	70	25	48	48	9	40	8	30	3
Under 15					1	1			1		1			
15	3	1	1		2	2			1		1		1	
16					3	3			3		3		1	
17	6	5			8	5	3		3	1	2	1	2	
18	4	2	1		14	8	6		6	2	6	1	5	1
19	4	4			11	10	1		7	1	5	1	2	
20-24	19	2	8	6	26	15	11		8	2	7	2	6	1
25-29	16	6	4	4	25	20	3	2	15	2	11	2	9	
30-34	1	1			7	6	1		4	1	4	1	4	1
35-39	1													
40-44														
Unknown	3	2			46			46						

1. 6 fetal deaths with unknown race included in Total distribution

TABLE 28

DEATHS BY MAJOR CAUSES, BY COUNTY
WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	TOTAL	ADAM	ASHL	BARR	BAYF	BROW	BUFF	BURN	CALU	CHIP	CLAR	COLU	CRAW
TOTAL		40801	136	219	411	146	1181	129	168	205	456	316	436	167
MALE		22095	69	103	240	90	634	88	106	105	267	183	248	97
FEMALE		18706	67	116	171	56	547	41	62	100	189	133	188	70
UNKNOWN SEX														
TUBERCULOSIS	010-018	29					1				1		1	
RESPIRATORY TUBERCULOSIS	010-012	24									1		1	
OTHER TUBERCULOSIS	013-018	5					1							
SEPTICEMIA	038	145					2	2	1		2		2	1
OTHER INFECTIOUS AND PARASITIC		140			2		4				4			
MALIGNANT NEOPLASMS	140-208	8615	33	41	91	32	229	17	35	46	93	66	91	41
LIP, ORAL CAVITY, PHARYNX	140-149	158	1	2	2		7	1	1	2		1	4	2
DIGESTIVE ORG. AND PERITONEUM	150-159	2465	11	7	29	15	73	4	9	18	34	20	19	8
RESPIRATORY AND INTRATHORACIC	160-165	1801	4	10	19	5	53	2	10	5	19	11	15	9
BREAST	174-175	784	4	2	3	3	18	1	1	7	5	5	8	4
GENITAL ORGANS	179-187	980	2	8	13	3	24	2	6	4	6	10	11	1
URINARY ORGANS	188-189	471	1	1	5	1	10	2	2	3	3	5	2	4
OTHER AND UNSPEC SITES 170-173,	190-199	1069	6	6	11	3	27	2	6	5	10	6	13	10
OTHER LYMPH. AND HEMATOP.	200-203	493	3	1	6	2	8	1			5	6	8	2
LEUKEMIA	204-208	394	1	4	3		9	2		2	11	2	11	1
BENIGN AND UNCERTAIN NEOPLASMS	210-239	102			1	1	5							
DIABETES MELLITUS	250	701	1	5	4	1	21	1	2	4	8	13	7	3
NUTRITIONAL DEFICIENCIES	260-269	63					1						3	1
ANEMIAS	280-285	72	1	2			1					1	1	
MENINGITIS	320-322	24					2			1				
MAJOR CARDIOVASCULAR DISEASE	391-448	21727	72	129	202	81	646	75	93	119	236	153	231	77
HEART	391-398,402,	16622	52	93	142	61	468	66	66	92	189	126	177	57
RHEUMATIC FEVER	391-398	184		2	3	1	3	1		3		3	2	
HYPERTENSIVE HEART DISEASE	402	355		1	1	4	3	1	3	1			1	
HYP HEART AND RENAL DISEASE	404	64					4				3	1	1	
ISCHEMIC HEART DISEASE	410-414	12937	41	48	103	38	383	55	42	79	156	103	134	44
ACUTE MYOCARDIAL INFARCTION	410	6670	25	32	66	29	226	20	27	44	89	76	68	30
OTHER ACUTE AND SUBACUTE	411	102			1		3	1			1			
ANGINA PECTORIS	413	12								1				
OTHER CHRONIC ISCHEMIC	412,414	6153	16	16	36	9	154	34	15	34	66	27	66	14
OTHER ENDOCARDIAL DISEASES	424	164		2			2	1	2	2	2	2		1
OTHER HEART DISEASE	415-423,425-429	2918	11	40	35	18	73	8	19	7	28	17	39	12
HYPERTENSION W/ OR W/O RENAL	401,403	155	1	2	4		1		5				1	
CEREBROVASCULAR DISEASES	430-438	3716	12	20	34	15	130	7	15	21	33	23	42	13
INTRACRANIAL HEMORRHAGE	431,432	392	1	1	1	1	7		1	1	8	1	11	1
CEREBRAL THROMBOSIS	434.0,434.9	697		2	3	1	28	1	2	6	8	1	3	2
CEREBRAL EMBOLISM	434.1	16										2		
OTHER CEREBROVASC.	430,433,435-438	2611	11	17	30	13	95	6	12	14	17	19	28	10
ATHEROSCLEROSIS	440	739	4	5	15	3	28		6	4	10	2	6	6
OTHER ARTERIAL DISEASE	441-448	495	3	9	7	2	19	2	1	2	4	2	5	1
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	12									1			
PNEUMONIA AND INFLUENZA	480-487	1081	3	6	15	5	23	7	5	2	13	15	12	5
PNEUMONIA	480-486	1003	3	3	15	4	19	7	5	2	12	12	12	5
INFLUENZA	487	78		3		1	4				1	3		
CHRONIC OBSTRUCTIVE PULMONARY	490-496	1015	6	12	19	6	28	5	8	4	15	8	9	6
CHRONIC AND UNSPEC BRONCHITIS	490-491	57			1		3			2				1
EMPHYSEMA	492	284	4	2	3	4	13			1	5	4	4	1
ASTHMA	493	55			3		2	1	1		2	2	1	
OTHER CHRONIC PULMONARY	494-496	619	2	10	12	2	10	4	7	1	8	2	4	4
ULCER OF STOMACH AND DUODENUM	531-533	126			3		3	1	2			2	2	
APPENDICITIS	540-543	21			1									
ABD. HERNIA & INTEST. OBSTR.	550-553,560	127	1	1	1		3			2		1	1	1
CHRONIC LIVER DIS. AND CIRRHOSIS	571	466	2	3		5	14	1	1	2	1	3	3	1
SPECIFIED AS ALCOHOLIC	571.0-571.3	219				2	4	1		1	1	1	3	
W/O MENTION OF ALC.	571.5,571.8-571.9	220	2	3		2	10		1	1		2		
CHRON. HEP. & BILIARY CIR.	571.4,571.6	27				1								1
CHOLELITHIASIS AND GALLBLADDER	574-575	88			1		2				1			3
NEPHRITIS AND NEPHROSIS	580-589	285	2	1	4		4	2	1		2	1	2	1
ACUTE	580-581	7					1							
CHRONIC AND UNSPEC	582-583,587	34										1		
RENAL FAILURES	584-586,588,589	244	2	1	4		3	2	1		2		2	1
INFECTIONS OF THE KIDNEY	590	48					1				1	1	1	
HYPERPLASIA OF THE PROSTATE	600	26		1		1							2	
COMPLICATIONS OF PREGNANCY	630-676	5												
ABORTIVE OUTCOME	630-639	1												
OTHER COMPLICATIONS	640-676	4												
CONGENITAL ANOMALIES	740-759	287	1		2		7	1	1	3	5	3	3	
CONDITIONS OF PERINATAL PERIOD	760-779	343	1	1	2	2	11	1		2	4	2	6	1
BIRTH TRAUMA	767-769	126		1		2	3			2	2		3	1
OTHER PERINATAL CONDS.	760-766,770-779	217	1		2		8	1			2	2	3	
ILL DEFINED CONDITIONS	780-799	277			4		7	2		1	4	1	2	3
ALL OTHER DISEASES		2364	5	11	28	7	64	8	7	5	28	18	25	8
ACCIDENTS AND ADVERSE EFFECTS	800-949	1864	6	5	25	3	76	5	9	8	30	22	25	13
MOTOR VEHICLE ACCIDENTS	810-825	975	5	3	13	1	39	1	3	5	14	11	12	9
OTHER	800-807,826-949	889	1	2	12	2	37	4	6	3	16	11	13	4
SUICIDE	950-959	552		1	6	2	25	3	2	6	7	6	6	1
HOMICIDE AND LEGAL INTERVENT.	960-978	146	1				1		1				1	
ALL OTHER EXTERNAL CAUSES	980-999	50	1											1

TABLE 28

DEATHS BY MAJOR CAUSES, BY COUNTY
WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	DANE	DODG	DOOR	DOUG	DUNN	EACL	FLOR	FODU	FORE	GRAN	GREE	GRLA	IOWA
TOTAL		1928	678	262	457	240	646	52	824	104	454	311	208	204
MALE		1028	363	143	260	145	345	29	412	64	257	169	123	107
FEMALE		900	315	119	197	95	301	23	412	40	197	142	85	97
UNKNOWN SEX														
TUBERCULOSIS	010-018	2												
RESPIRATORY TUBERCULOSIS	010-012	1												
OTHER TUBERCULOSIS	013-018	1												
SEPTICEMIA	038	11	5		1		3		4					
OTHER INFECTIOUS AND PARASITIC		12	3	2					1	1			1	
MALIGNANT NEOPLASMS	140-208	420	140	52	107	39	145	17	161	22	89	57	43	36
LIP, ORAL CAVITY, PHARYNX	140-149	6	2	2	1		3	1	2			1	1	
DIGESTIVE ORG. AND PERITONEUM	150-159	106	42	17	29	13	35	4	48	4	21	17	13	13
RESPIRATORY AND INTRATHORACIC	160-165	91	28	9	28	7	33	2	33	7	24	11	6	6
BREAST	174-175	42	14	5	5	2	16		15		4	4	3	2
GENITAL ORGANS	179-187	45	15	4	7	5	22	4	17	2	9	6	7	4
URINARY ORGANS	188-189	25	7	2	13	3	8	1	8	2	6	6	1	1
OTHER AND UNSPEC SITES 170-173,	190-199	60	16	8	11	3	17	4	24	7	11	6	8	7
OTHER LYMPH. AND HEMATOP.	200-203	25	10	2	12	2	4	1	7		7	5	1	
LEUKEMIA	204-208	20	6	3	1	4	7		7		7	1	3	3
BENIGN AND UNCERTAIN NEOPLASMS	210-239	5	2		1		1		3		1	1	1	
DIABETES MELLITUS	250	30	6	5	5	4	4	1	12	3	6	5	4	1
NUTRITIONAL DEFICIENCIES	260-269	2	2	1					1			1		
ANEMIAS	280-285	3		1	2	1	1				1	1	1	1
MENINGITIS	320-322	3			1									
MAJOR CARDIOVASCULAR DISEASE	391-448	950	370	134	250	123	321	26	487	60	267	186	119	120
HEART 391-398,402,	404-429	736	296	104	214	94	242	16	385	43	182	137	96	76
RHEUMATIC FEVER	391-398	11	2		2	1			5		1	1	3	
HYPERTENSIVE HEART DISEASE	402	9	2		2	1	7		13	1	4	5	2	
HYP HEART AND RENAL DISEASE	404	3	3		2				1					
ISCHEMIC HEART DISEASE	410-414	557	240	79	137	74	182	16	291	37	136	90	70	68
ACUTE MYOCARDIAL INFARCTION	410	304	110	46	62	45	87	11	155	19	71	58	35	41
OTHER ACUTE AND SUBACUTE	411	1	1				3				4		1	1
ANGINA PECTORIS	413											1		
OTHER CHRONIC ISCHEMIC	412,414	252	129	33	75	29	92	5	136	18	61	31	34	26
OTHER ENDOCARDIAL DISEASES	424	12		2	1	3	3		7			1		
OTHER HEART DISEASE 415-423,	425-429	144	49	23	70	15	50		68	5	41	40	21	8
HYPERTENSION W/ OR W/O RENAL	401,403	9			2		2		4	1			1	1
CEREBROVASCULAR DISEASES	430-438	158	51	25	17	24	61	8	76	11	65	38	15	37
INTRACRANIAL HEMORRHAGE	431,432	21	7	1	3	2	8		6		1		1	
CEREBRAL THROMBOSIS 434.0,	434.9	34	9	2	1	2	8	1	6	1	15	7	1	9
CEREBRAL EMBOLISM	434.1						1						1	
OTHER CEREBROVASC. 430,433,	435-438	103	35	22	13	20	44	7	64	10	49	31	12	28
ATHEROSCLEROSIS	440	32	17	4	9	2	7	1	11	4	15	6	4	4
OTHER ARTERIAL DISEASE	441-448	15	6	1	8	3	9	1	11	1	5	5	3	2
ACUTE BRONCHITIS AND BRONCHIOLITIS	466		1											
PNEUMONIA AND INFLUENZA	480-487	47	19	6	8	10	25		12	2	14	10	4	5
PNEUMONIA	480-486	46	16	4	7	10	24		11	2	12	10	4	4
INFLUENZA	487	1	3	2	1		1		1		2			1
CHRONIC OBSTRUCTIVE PULMONARY	490-496	53	14	5	7	5	21		13	4	18	7	5	7
CHRONIC AND UNSPEC BRONCHITIS	490-491	8	1	2			2		1		1	1		1
EMPHYSEMA	492	8	2		4	2	9		3	2	5	2	3	3
ASTHMA	493	3		2					2				1	
OTHER CHRONIC PULMONARY	494-496	34	11	1	3	3	10		7	2	12	4	1	3
ULCER OF STOMACH AND DUODENUM	531-533	6	1	2			1	1	2				1	1
APPENDICITIS	540-543	3												
ABD. HERNIA & INTEST. OBSTR.	550-553,560	5	2	1	2		3	1	2			2	1	
CHRONIC LIVER DIS. AND CIRRHOSIS	571	17	5	2	7	6	13	1	6		3	1		1
SPECIFIED AS ALCOHOLIC	571.0-571.3	9	2	1	3	2	6	1	3		2	1		1
W/O MENTION OF ALC.	571.5,571.8-571.9	8	3	1	3	4	4		3					
CHRON. HEP. & BILIARY CIR.	571.4,571.6				1		3				1			
CHOLELITHIASIS AND GALLBLADDER	574-575	2	1		2		2		3				3	
NEPHRITIS AND NEPHROSIS	580-589	18	4		2	2	6		7	1	4	1		2
ACUTE	580-581								1		1			
CHRONIC AND UNSPEC	582-583,587	3			1				2					
RENAL FAILURES	584-586,588,589	15	4		1	2	6		4	1	3	1		2
INFECTIONS OF THE KIDNEY	590	3	5	1	2	1			4					
HYPERPLASIA OF THE PROSTATE	600	2	1	1							1			
COMPLICATIONS OF PREGNANCY	630-676													
ABORTIVE OUTCOME	630-639													
OTHER COMPLICATIONS	640-676													
CONGENITAL ANOMALIES	740-759	21	3	4	3	5	6	1	6		6	2	1	
CONDITIONS OF PERINATAL PERIOD	760-779	25	5	1		1	8		10		1	1	2	4
BIRTH TRAUMA	767-769	7	2			1	3		7			1		3
OTHER PERINATAL CONDS.	760-766,770-779	18	3	1			5		3		1		2	1
ILL DEFINED CONDITIONS	780-799	13	6	11		4	6		3		2			1
ALL OTHER DISEASES		138	42	16	22	19	37	2	52	8	18	20	10	9
ACCIDENTS AND ADVERSE EFFECTS	800-949	94	34	15	23	14	33	2	25	2	18	13	11	14
MOTOR VEHICLE ACCIDENTS	810-825	52	26	13	8	7	14	2	11	2	6	7	5	8
OTHER 800-807,	826-949	42	8	2	15	7	19		14		12	6	6	6
SUICIDE	950-959	29	7	2	7	4	8		8	1	2	3	1	2
HOMICIDE AND LEGAL INTERVENT.	960-978	5			3	1	2		2		1			
ALL OTHER EXTERNAL CAUSES	980-999	9			2	1					2			

TABLE 28

DEATHS BY MAJOR CAUSES, BY COUNTY
WISCONSIN, 1980

(RESIDENT DATA)

Page 3 of 6

CAUSE OF DEATH	ICD-9	IRON	JACK	JEFF	JUNE	KENO	KEWA	LACR	LAFA	LANG	LINC	MANI	MARA	MARI
TOTAL		93	179	605	221	1093	166	768	139	207	284	779	853	446
MALE		49	107	339	131	607	94	407	77	105	166	441	477	254
FEMALE		44	72	266	90	486	72	361	62	102	118	338	376	192
UNKNOWN SEX														
TUBERCULOSIS	010-018				1	1						1	1	
RESPIRATORY TUBERCULOSIS	010-012				1	1						1	1	
OTHER TUBERCULOSIS	013-018													
SEPTICEMIA	038		1	1		2	1	5				5	1	3
OTHER INFECTIOUS AND PARASITIC				1	1	3	1	3				1	3	1
MALIGNANT NEOPLASMS	140-208	18	37	131	41	223	30	162	19	42	67	189	188	89
LIP, ORAL CAVITY, PHARYNX	140-149			1		8		2				3	2	
DIGESTIVE ORG. AND PERITONEUM	150-159	2	11	45	12	48	7	40	1	13	25	55	62	25
RESPIRATORY AND INTRATHORACIC	160-165	3	7	14	10	60	6	31	5	10	12	41	32	19
BREAST	174-175	3	3	21	1	20	4	17	1	8	2	16	21	3
GENITAL ORGANS	179-187	5	6	10	7	20	3	22	4	3	8	17	23	10
URINARY ORGANS	188-189	1	1	6	2	12	2	5	1		4	14	8	4
OTHER AND UNSPEC SITES 170-173,	190-199	2	5	16	6	36	4	25	6	4	10	22	23	16
OTHER LYMPH. AND HEMATOP.	200-203	1	2	7	3	14		9	1	2	4	16	11	5
LEUKEMIA	204-208	1	2	11		5	4	11		2	2	5	6	7
BENIGN AND UNCERTAIN NEOPLASMS	210-239	1	1	3		3					1		4	3
DIABETES MELLITUS	250	2		6	3	25	1	12	3	3	3	29	7	11
NUTRITIONAL DEFICIENCIES	260-269				3			3		1				1
ANEMIAS	280-285		1	2	1	2		1				1	2	1
MENINGITIS	320-322			1				1		1	1			
MAJOR CARDIOVASCULAR DISEASE	391-448	63	97	325	127	619	94	376	84	103	153	387	459	245
HEART	391-398,402,404-429	53	78	264	98	462	75	270	61	77	120	301	367	170
RHEUMATIC FEVER	391-398	1	2	1	2	5	1	3	1	1	1	4	4	
HYPERTENSIVE HEART DISEASE	402		3	4		9	3	7	1	1	1	4	4	3
HYP HEART AND RENAL DISEASE	404		1	1	2			1			1	1	1	
ISCHEMIC HEART DISEASE	410-414	29	50	200	88	370	31	224	42	64	89	254	306	139
ACUTE MYOCARDIAL INFARCTION	410	18	33	111	59	193	20	96	24	40	41	175	185	79
OTHER ACUTE AND SUBACUTE	411				2	4							1	1
ANGINA PECTORIS	413													
OTHER CHRONIC ISCHEMIC	412,414	11	17	89	27	173	11	128	18	24	48	79	120	59
OTHER ENDOCARDIAL DISEASES	424	2	1	1		2		7			2	4	5	2
OTHER HEART DISEASE	415-423,425-429	21	21	57	6	76	40	28	17	11	26	34	47	26
HYPERTENSION W/ OR W/O RENAL	401,403			1	2	9	1	4			2	4	1	1
CEREBROVASCULAR DISEASES	430-438	10	13	38	19	105	9	89	16	20	24	60	66	51
INTRACRANIAL HEMORRHAGE	431,432		1	3	3	6		16	1	1	4	8	7	13
CEREBRAL THROMBOSIS	434.0,434.9	1	2	4	6	30		16	1	5	1	8	14	8
CEREBRAL EMBOLISM	434.1					1					1			1
OTHER CEREBROVASC.	430,433,435-438	9	10	31	10	68	9	57	14	14	18	44	45	29
ATHEROSCLEROSIS	440		4	11	6	26	6	8	7	1	6	14	11	18
OTHER ARTERIAL DISEASE	441-448		2	11	2	17	3	5		5	1	8	14	5
ACUTE BRONCHITIS AND BRONCHIOLITIS	466					1								
PNEUMONIA AND INFLUENZA	480-487	1	7	15	10	27	4	21	3	11	7	24	22	6
PNEUMONIA	480-486	1	7	15	8	26	3	20	2	7	7	22	20	6
INFLUENZA	487				2	1	1	1	1	4		2	2	
CHRONIC OBSTRUCTIVE PULMONARY	490-496		4	16	7	33	4	27	3	9	14	19	20	15
CHRONIC AND UNSPEC BRONCHITIS	490-491					1		1				2	1	
EMPHYSEMA	492			4	1	9	2	6	1		8	2	7	7
ASTHMA	493					3		2		1			2	1
OTHER CHRONIC PULMONARY	494-496		4	12	6	20	2	18	2	8	6	15	10	7
ULCER OF STOMACH AND DUODENUM	531-533		1	2		4		2	1	1	1	1	3	1
APPENDICITIS	540-543	1			1		1							
ABD. HERNIA & INTEST. OBSTR.	550-553,560		1	2		1	1	2	1			1	1	2
CHRONIC LIVER DIS. AND CIRRHOSIS	571	2	1	8		15	1	6	2	2	2	7	5	5
SPECIFIED AS ALCOHOLIC	571.0-571.3	1	1	6		3	1	3		1	2	3	5	2
W/O MENTION OF ALC.	571.5,571.8-571.9	1		2		12		1	2	1		3		3
CHRON. HEP. & BILIARY CIR.	571.4,571.6							2				1		
CHOLELITHIASIS AND GALLBLADDER	574-575		1	2		1	1	3		2		5	4	
NEPHRITIS AND NEPHROSIS	580-589			4	1	10	3	3	3	2	3	6	13	4
ACUTE	580-581													
CHRONIC AND UNSPEC	582-583,587			1		2			2					2
RENAL FAILURES	584-586,588,589			3	1	8	3	3	1	2	3	6	13	2
INFECTIONS OF THE KIDNEY	590					1		2					1	
HYPERPLASIA OF THE PROSTATE	600			2				3				1		1
COMPLICATIONS OF PREGNANCY	630-676					1								
ABORTIVE OUTCOME	630-639													
OTHER COMPLICATIONS	640-676					1								
CONGENITAL ANOMALIES	740-759		1	2	2	5	4	9	2	1	1	7	4	3
CONDITIONS OF PERINATAL PERIOD	760-779		2		2	9	3	2	3	4	3	7	7	4
BIRTH TRAUMA	767-769					3	3	1	1	2		4	4	1
OTHER PERINATAL CONDS.	760-766,770-779		2		2	6		1	2	2	3	3	3	3
ILL DEFINED CONDITIONS	780-799		2	1		5	1	3	1	3	1	8	5	2
ALL OTHER DISEASES		1	7	39	7	36	7	72	7	12	16	41	48	17
ACCIDENTS AND ADVERSE EFFECTS	800-949	1	14	31	12	51	8	33	6	8	9	29	43	24
MOTOR VEHICLE ACCIDENTS	810-825		6	15	5	34	4	15	1	4	9	14	26	13
OTHER	800-807,826-949	1	8	16	7	17	4	18	5	4		15	17	11
SUICIDE	950-959	2	1	8	2	9	1	17	1	1	2	8	11	6
HOMICIDE AND LEGAL INTERVENT.	960-978	1		3		4				1		2	1	1
ALL OTHER EXTERNAL CAUSES	980-999					2								1

TABLE 28

DEATHS BY MAJOR CAUSES, BY COUNTY
WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	MARQ	MEND	MILW	MONR	OCON	ONEI	OUTA	OZAU	PEPI	PIER	POLK	PORT	PRIC
TOTAL		134	36	9278	339	300	316	895	437	107	234	319	360	211
MALE		80	18	4854	178	181	192	472	226	63	134	167	197	130
FEMALE		54	18	4424	161	119	124	423	211	44	100	152	163	81
UNKNOWN SEX														
TUBERCULOSIS	010-018			16			1							
RESPIRATORY TUBERCULOSIS	010-012			14										
OTHER TUBERCULOSIS	013-018			2			1							
SEPTICEMIA	038			46	1	4	1	4		1		1	2	
OTHER INFECTIOUS AND PARASITIC		1		48		1		4	1			1	1	
MALIGNANT NEOPLASMS	140-208	23	7	2041	60	53	80	180	101	24	48	62	77	42
LIP, ORAL CAVITY, PHARYNX	140-149			55	3		2	4	1		1			1
DIGESTIVE ORG. AND PERITONEUM	150-159	7	1	557	14	9	21	48	27	10	9	21	25	13
RESPIRATORY AND INTRATHORACIC	160-165	7	1	452	9	11	23	34	20	4	13	11	14	12
BREAST	174-175	1	1	207	5	4	3	18	12	1	8	2	2	
GENITAL ORGANS	179-187	1	1	204	6	14	9	22	10		1	6	12	5
URINARY ORGANS	188-189	1		110	4	6	5	11	8	1	4	9	5	2
OTHER AND UNSPEC SITES 170-173,190-199		4	2	243	10	7	9	21	11	3	5	5	8	6
OTHER LYMPH. AND HEMATOP.	200-203	2	1	128	1	1	6	14	8	4	2	4	4	1
LEUKEMIA	204-208			85	8	1	2	8	4	1	5	4	7	2
BENIGN AND UNCERTAIN NEOPLASMS	210-239			22	2	2		3			1		4	
DIABETES MELLITUS	250	5	1	166	6	9	4	9	11	1	3	1	5	9
NUTRITIONAL DEFICIENCIES	260-269			17		2		2						
ANEMIAS	280-285	1		15	1			2	1	1			2	
MENINGITIS	320-322			5	1			2						
MAJOR CARDIOVASCULAR DISEASE	391-448	69	13	4814	187	162	159	500	220	58	133	191	192	114
HEART	391-398,402,404-429	54	8	3773	138	115	129	380	164	42	106	135	156	95
RHEUMATIC FEVER	391-398			44	1	3		7			1	1	2	3
HYPERTENSIVE HEART DISEASE	402	2		156	1		1	3	4	2	3	2	1	1
HYP HEART AND RENAL DISEASE	404			14								1		
ISCHEMIC HEART DISEASE	410-414	44	7	2907	109	90	102	307	138	30	79	91	133	52
ACUTE MYOCARDIAL INFARCTION	410	25	5	1148	63	67	63	158	87	18	34	64	44	26
OTHER ACUTE AND SUBACUTE	411			48	1			2	1					1
ANGINA PECTORIS	413			5		1	1							
OTHER CHRONIC ISCHEMIC	412,414	19	2	1706	45	22	38	147	50	12	45	27	89	25
OTHER ENDOCARDIAL DISEASES	424			47	4	1	1		2	1		1	1	
OTHER HEART DISEASE	415-423,425-429	8	1	605	23	21	25	63	20	9	23	39	19	39
HYPERTENSION W/ OR W/O RENAL	401,403	1		35	1		1	8	1	1	1	2	3	
CEREBROVASCULAR DISEASES	430-438	9	4	772	39	36	21	95	41	12	17	41	25	14
INTRACRANIAL HEMORRHAGE	431,432			95		3	2	11	9	2	3		2	4
CEREBRAL THROMBOSIS	434.0,434.9	1		164	2	5	2	28	7	1	2	2		
CEREBRAL EMBOLISM	434.1			3										
OTHER CEREBROVASC.	430,433,435-438	8	4	510	37	28	17	56	25	9	12	39	23	10
ATHEROSCLEROSIS	440	2	1	131	6	7	4	11	10	1	5	8	3	3
OTHER ARTERIAL DISEASE	441-448	3		103	3	4	4	6	4	2	4	5	5	2
ACUTE BRONCHITIS AND BRONCHIOLITIS	466			2									2	
PNEUMONIA AND INFLUENZA	480-487	8	2	235	12	8	4	15	13	5	2	8	7	9
PNEUMONIA	480-486	7	2	227	12	5	4	15	11	5	2	7	7	9
INFLUENZA	487	1		8		3			2			1		
CHRONIC OBSTRUCTIVE PULMONARY	490-496	2		213	7	6	8	23	7	3	8	5	9	6
CHRONIC AND UNSPEC BRONCHITIS	490-491			6	1			1		1				
EMPHYSEMA	492	2		50		2	1	12	5		3		5	3
ASTHMA	493			9	1						1	1		
OTHER CHRONIC PULMONARY	494-496			148	5	4	7	10	2	2	4	4	4	3
ULCER OF STOMACH AND DUODENUM	531-533			31	1	2	2	3	3			2	2	2
APPENDICITIS	540-543			4				1	1					
ABD. HERNIA & INTEST. OBSTR.	550-553,560			31	3			4	2		1	1	1	1
CHRONIC LIVER DIS. AND CIRRHOSIS	571	1	1	136	2	3	4	13	10		1	2	6	3
SPECIFIED AS ALCOHOLIC	571.0-571.3	1		69	2	1	1	6	6		1		3	1
W/O MENTION OF ALC.	571.5,571.8-571.9		1	59		2	2	7	4			2	2	2
CHRON. HEP. & BILIARY CIR.	571.4,571.6			9			1						1	
CHOLELITHIASIS AND GALLBLADDER	574-575			19		1						1	1	
NEPHRITIS AND NEPHROSIS	580-589	2		52	5	2	1	4	3	1	2	4		1
ACUTE	580-581			1				1						
CHRONIC AND UNSPEC	582-583,587	1		8	1									1
RENAL FAILURES	584-586,588,589	1		43	4	2	1	3	3	1	2	4		
INFECTIONS OF THE KIDNEY	590	1		9	1			1	2			1	1	
HYPERPLASIA OF THE PROSTATE	600			4		1								
COMPLICATIONS OF PREGNANCY	630-676			3										
ABORTIVE OUTCOME	630-639			1										
OTHER COMPLICATIONS	640-676			2										
CONGENITAL ANOMALIES	740-759		1	69	1	4	5	9	1	1	3		1	1
CONDITIONS OF PERINATAL PERIOD	760-779			84	4	5	4	10	4	1	1	1	4	1
BIRTH TRAUMA	767-769			22	2	1	2	3					1	
OTHER PERINATAL CONDS.	760-766,770-779			62	2	4	2	7	4	1	1	1	3	1
ILL DEFINED CONDITIONS	780-799	1	1	71	4			3	3	1	2	2	3	3
ALL OTHER DISEASES		6	2	628	16	19	17	39	24	8	10	12	18	8
ACCIDENTS AND ADVERSE EFFECTS	800-949	11	7	273	20	11	23	47	21	2	17	15	17	9
MOTOR VEHICLE ACCIDENTS	810-825	7	5	107	11	8	11	29	14	2	10	9	12	5
OTHER	800-807,826-949	4	2	166	9	3	12	18	7		7	6	5	4
SUICIDE	950-959	2	1	131	2	4	2	15	6		2	5	4	2
HOMICIDE AND LEGAL INTERVENT.	960-978			78	3			2	2			2	1	
ALL OTHER EXTERNAL CAUSES	980-999	1		15		1	1		1			2		

TABLE 28

DEATHS BY MAJOR CAUSES, BY COUNTY
WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH ICD-9	RACI	RICH	ROCK	RUSK	STCR	SAUK	SAWY	SHAW	SHEB	TAYL	TREM	VERN	VILA
TOTAL	1393	184	1205	135	303	433	155	414	954	159	314	325	204
MALE	755	100	616	83	155	229	91	228	510	103	185	183	114
FEMALE	638	84	589	52	148	204	64	186	444	56	129	142	90
UNKNOWN SEX													
TUBERCULOSIS 010-018			1										
RESPIRATORY TUBERCULOSIS 010-012			1										
OTHER TUBERCULOSIS 013-018													
SEPTICEMIA 038	5		1			2		1	4	1			
OTHER INFECTIOUS AND PARASITIC	8	1	2		1	1	1		1		1		1
MALIGNANT NEOPLASMS 140-208	293	41	245	40	55	105	32	70	211	36	65	52	58
LIP, ORAL CAVITY, PHARYNX 140-149	3		4		2	1		1	3				1
DIGESTIVE ORG. AND PERITONEUM 150-159	86	6	78	14	14	37	14	20	86	10	24	14	20
RESPIRATORY AND INTRATHORACIC 160-165	68	12	53	3	6	20	6	8	30	9	7	11	13
BREAST 174-175	20	2	24	4	5	3	4	10	17	3	5	5	3
GENITAL ORGANS 179-187	38	8	32	5	7	16	4	12	21	9	10	5	7
URINARY ORGANS 188-189	17	3	12	3	5	9		7	8		5	1	6
OTHER AND UNSPEC SITES 170-173,190-199	34	4	21	8	9	12	4	4	26	2	9	3	5
OTHER LYMPH. AND HEMATOP. 200-203	13	4	12	2	5	4		4	11	2	2	7	2
LEUKEMIA 204-208	14	2	9	1	2	3		4	9	1	3	6	1
BENIGN AND UNCERTAIN NEOPLASMS 210-239	5		5		2			2	1	1	1		
DIABETES MELLITUS 250	27	2	9		3	8	5	5	13	3	7	8	2
NUTRITIONAL DEFICIENCIES 260-269	2	1	3		1	1	1	1			3	1	
ANEMIAS 280-285	2		3			2	1	1	3			1	
MENINGITIS 320-322	1		1										
MAJOR CARDIOVASCULAR DISEASE 391-448	719	100	676	65	154	234	72	240	509	80	170	188	98
HEART 391-398,402,404-429	557	68	510	45	120	182	60	173	366	59	131	146	75
RHEUMATIC FEVER 391-398	8		7		1	2	1		6	1	1	2	1
HYPERTENSIVE HEART DISEASE 402	7		7		1	2	1	5	15	2	3	1	2
HYP HEART AND RENAL DISEASE 404	2		3			1		1	5			2	
ISCHEMIC HEART DISEASE 410-414	459	57	429	38	94	142	30	140	274	48	88	121	60
ACUTE MYOCARDIAL INFARCTION 410	215	40	211	28	43	94	16	86	142	22	45	71	38
OTHER ACUTE AND SUBACUTE 411	1				1					3	1		1
ANGINA PECTORIS 413	1												
OTHER CHRONIC ISCHEMIC 412,414	242	17	218	10	50	48	14	54	132	23	42	50	21
OTHER ENDOCARDIAL DISEASES 424	4		2			2		1	5	2	1		1
OTHER HEART DISEASE 415-423,425-429	77	11	62	7	24	33	28	26	61	6	38	20	11
HYPERTENSION W/ OR W/O RENAL 401,403	2	1	3		1	2		2	1	2	1	2	
CEREBROVASCULAR DISEASES 430-438	118	26	125	18	26	41	9	42	99	11	27	36	17
INTRACRANIAL HEMORRHAGE 431,432	14	2	14	2	2	4	1	2	4	2	4	2	3
CEREBRAL THROMBOSIS 434.0,434.9	22	7	36	8	4	11	5	7	29	2	4	4	2
CEREBRAL EMBOLISM 434.1	1								1				
OTHER CEREBROVASC. 430,433,435-438	81	17	75	8	20	26	3	33	65	7	19	30	12
ATHEROSCLEROSIS 440	18	2	23	1	5	2	2	20	33	5	6	1	3
OTHER ARTERIAL DISEASE 441-448	24	3	15	1	2	7	1	3	10	3	5	3	3
ACUTE BRONCHITIS AND BRONCHIOLITIS 466	1							1	1				
PNEUMONIA AND INFLUENZA 480-487	34	3	36	6	15	10	9	19	29	4	9	16	7
PNEUMONIA 480-486	31	2	33	6	14	9	9	17	25	4	9	16	7
INFLUENZA 487	3	1	3		1	1		2	4				
CHRONIC OBSTRUCTIVE PULMONARY 490-496	39	3	29	5	5	8	6	7	23	1	7	17	7
CHRONIC AND UNSPEC BRONCHITIS 490-491	2	1	1					1	2			3	1
EMPHYSEMA 492	17	1	6	2	4	4	3	1	7	1	2	2	4
ASTHMA 493	1		1	2			1		2		1	1	
OTHER CHRONIC PULMONARY 494-496	19	1	21	1	1	4	2	5	12		4	11	2
ULCER OF STOMACH AND DUODENUM 531-533	4		3	1	1	1	1	1	4	1	1		
APPENDICITIS 540-543			1		1								
ABD. HERNIA & INTEST. OBSTR. 550-553,560	6		5	1	3	4	1		3		4		
CHRONIC LIVER DIS. AND CIRRHOSIS 571	25		10		3	5	2	9	10	4	1	2	4
SPECIFIED AS ALCOHOLIC 571.0-571.3	10		5		2	2	1	4	5	3		2	3
W/O MENTION OF ALC. 571.5,571.8-571.9	14		3		1	3	1	4	5	1	1		1
CHRON. HEP. & BILIARY CIR. 571.4,571.6	1		2					1					
CHOLELITHIASIS AND GALLBLADDER 574-575	3		3		1		2	1	1	2			1
NEPHRITIS AND NEPHROSIS 580-589	7	1	10		3	2	2	2	10	3	6	1	
ACUTE 580-581													
CHRONIC AND UNSPEC 582-583,587	1	1	1					1	1				
RENAL FAILURES 584-586,588,589	6		9		3	2	2	1	9	3	6	1	
INFECTIONS OF THE KIDNEY 590	1		2					1	1				
HYPERPLASIA OF THE PROSTATE 600		1							2	1			
COMPLICATIONS OF PREGNANCY 630-676									1				
ABORTIVE OUTCOME 630-639													
OTHER COMPLICATIONS 640-676									1				
CONGENITAL ANOMALIES 740-759	15	2	8		2	3	1	1	4	1	1	1	1
CONDITIONS OF PERINATAL PERIOD 760-779	17		11		3	3	2	3	2	1		4	1
BIRTH TRAUMA 767-769	5		5		1	2	1		2			1	
OTHER PERINATAL CONDS. 760-766,770-779	12		6		2	1	1	3		1		3	1
ILL DEFINED CONDITIONS 780-799	9	3	10	3	1	4		2	7	1		1	
ALL OTHER DISEASES	69	13	63	6	23	21	6	19	64	9	18	13	11
ACCIDENTS AND ADVERSE EFFECTS 800-949	68	4	52	8	20	12	10	24	39	9	16	18	11
MOTOR VEHICLE ACCIDENTS 810-825	28	2	28	3	9	8	6	13	16	3	9	11	9
OTHER 800-807,826-949	40	2	24	5	11	4	4	11	23	6	7	7	2
SUICIDE 950-959	24	6	12		6	7	1	4	9	1	4	1	2
HOMICIDE AND LEGAL INTERVENT. 960-978	9	2	3						1			1	
ALL OTHER EXTERNAL CAUSES 980-999		1	1						1				

TABLE 28

DEATHS BY MAJOR CAUSES, BY COUNTY
WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH ICD-9	WALW	WASB	WASH	WAUK	WAUP	WAUS	WINN	WOOD	UNKNOWN
TOTAL	626	136	562	1648	618	214	1099	583	
MALE	311	77	310	857	360	121	570	316	
FEMALE	315	59	252	791	258	93	529	267	
UNKNOWN SEX									
TUBERCULOSIS 010-018	1			1					
RESPIRATORY TUBERCULOSIS 010-012	1			1					
OTHER TUBERCULOSIS 013-018									
SEPTICEMIA 038			1	11	2		3	1	
OTHER INFECTIOUS AND PARASITIC	1	1	2	7		2	3	6	
MALIGNANT NEOPLASMS 140-208	137	24	117	354	115	44	228	116	
LIP, ORAL CAVITY, PHARYNX 140-149	1		1	5	1	1	5	4	
DIGESTIVE ORG. AND PERITONEUM 150-159	35	7	32	98	39	16	69	29	
RESPIRATORY AND INTRATHORACIC 160-165	34	4	23	73	20	10	55	28	
BREAST 174-175	18	3	12	42	13	4	18	12	
GENITAL ORGANS 179-187	14	4	14	48	20	2	25	13	
URINARY ORGANS 188-189	6		7	15	2	2	9	6	
OTHER AND UNSPEC SITES 170-173,190-199	17	3	14	44	11	3	30	10	
OTHER LYMPH. AND HEMATOP. 200-203	3	1	8	18	4	2	11	9	
LEUKEMIA 204-208	9	2	6	11	5	4	6	5	
BENIGN AND UNCERTAIN NEOPLASMS 210-239				8			2	3	
DIABETES MELLITUS 250	18	1	11	25	12	2	28	21	
NUTRITIONAL DEFICIENCIES 260-269		2		3	1		1	1	
ANEMIAS 280-285	1			3		1	2		
MENINGITIS 320-322				1	1		1		
MAJOR CARDIOVASCULAR DISEASE 391-448	335	70	305	873	349	119	585	315	
HEART 391-398,402,404-429	258	49	236	662	274	87	406	257	
RHEUMATIC FEVER 391-398	5		1	7	3	1	3	2	
HYPERTENSIVE HEART DISEASE 402	1		2	14	4		3	3	
HYP HEART AND RENAL DISEASE 404	3		1	3			2		
ISCHEMIC HEART DISEASE 410-414	208	39	192	512	210	80	313	225	
ACUTE MYOCARDIAL INFARCTION 410	127	28	88	277	113	50	172	112	
OTHER ACUTE AND SUBACUTE 411	6		1	3	2			5	
ANGINA PECTORIS 413				1				1	
OTHER CHRONIC ISCHEMIC 412,414	75	11	103	231	95	30	141	107	
OTHER ENDOCARDIAL DISEASES 424	1	1	6	3	5		2	1	
OTHER HEART DISEASE 415-423,425-429	40	9	34	123	47	6	83	26	
HYPERTENSION W/ OR W/O RENAL 401,403	4	1	5	3	3	1	8		
CEREBROVASCULAR DISEASES 430-438	53	17	47	164	61	25	112	45	
INTRACRANIAL HEMORRHAGE 431,432	3	2	7	21	9	2	9	5	
CEREBRAL THROMBOSIS 434.0,434.9	7	10	16	33	3		19	5	
CEREBRAL EMBOLISM 434.1	2			2					
OTHER CEREBROVASC. 430,433,435-438	41	5	24	108	49	23	84	35	
ATHEROSCLEROSIS 440	9	2	8	25	7	2	44	6	
OTHER ARTERIAL DISEASE 441-448	11	1	9	19	4	4	15	7	
ACUTE BRONCHITIS AND BRONCHIOLITIS 466			1				1		
PNEUMONIA AND INFLUENZA 480-487	10	4	9	44	18	2	24	14	
PNEUMONIA 480-486	7	4	9	42	15	2	23	13	
INFLUENZA 487	3			2	3		1	1	
CHRONIC OBSTRUCTIVE PULMONARY 490-496	10	4	9	27	11	6	22	16	
CHRONIC AND UNSPEC BRONCHITIS 490-491		1	1		1		5		
EMPHYSEMA 492	3		1	3	2	1	4	2	
ASTHMA 493		1			3		1		
OTHER CHRONIC PULMONARY 494-496	7	2	7	24	5	5	12	14	
ULCER OF STOMACH AND DUODENUM 531-533	1		4	2	2		4	2	
APPENDICITIS 540-543		2		2	1	1			
ABD. HERNIA & INTEST. OBSTR. 550-553,560	1		2	4	1	1	4	1	
CHRONIC LIVER DIS. AND CIRRHOSIS 571	7	3	8	14	9	1	9	4	
SPECIFIED AS ALCOHOLIC 571.0-571.3	2	1	3	1	5	1	5	2	
W/O MENTION OF ALC. 571.5,571.8-571.9	5	2	4	12	4		4	2	
CHRON. HEP. & BILIARY CIR. 571.4,571.6			1	1					
CHOLELITHIASIS AND GALLBLADDER 574-575	2		4	3	3		1		
NEPHRITIS AND NEPHROSIS 580-589	5	2	3	10	5	4	9	4	
ACUTE 580-581		1				1			
CHRONIC AND UNSPEC 582-583,587	2				1		1		
RENAL FAILURES 584-586,588,589	3	1	3	10	4	3	8	4	
INFECTIONS OF THE KIDNEY 590		1	1	1					
HYPERPLASIA OF THE PROSTATE 600		1							
COMPLICATIONS OF PREGNANCY 630-676									
ABORTIVE OUTCOME 630-639									
OTHER COMPLICATIONS 640-676									
CONGENITAL ANOMALIES 740-759	4		1	9	3	1	4	4	
CONDITIONS OF PERINATAL PERIOD 760-779	6	2		14	3	2	8	5	
BIRTH TRAUMA 767-769	2	1		4	3	2	6	3	
OTHER PERINATAL CONDS. 760-766,770-779	4	1		10			2	2	
ILL DEFINED CONDITIONS 780-799	4		4	13	9	1	7	2	
ALL OTHER DISEASES	31	7	34	75	33	14	83	30	
ACCIDENTS AND ADVERSE EFFECTS 800-949	38	9	33	97	32	11	57	29	
MOTOR VEHICLE ACCIDENTS 810-825	26	5	18	61	14	7	28	18	
OTHER 800-807,826-949	12	4	15	36	18	4	29	11	
SUICIDE 950-959	13	3	11	36	6	2	12	8	
HOMICIDE AND LEGAL INTERVENT. 960-978	1		1	7	2				
ALL OTHER EXTERNAL CAUSES 980-999			1	4			1	1	

TABLE 30

DEATHS BY MAJOR CAUSE, SEX, AND RACE

WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	TOTAL		WHITE		BLACK		AMER-INDIAN		OTHER		UNKNOWN	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL		22095	18706	21419	18199	541	418	95	73	34	13	6	3
TUBERCULOSIS	010-018	20	9	17	6	3	1		2				
RESPIRATORY TUBERCULOSIS	010-012	17	7	14	5	3	1		1				
OTHER TUBERCULOSIS	013-018	3	2	3	1				1				
SEPTICEMIA	038	71	74	65	73	5	1			1			
OTHER INFECTIOUS AND PARASITIC		71	69	61	57	10	10				2		
MALIGNANT NEOPLASMS	140-208	4711	3904	4583	3801	112	87	8	13	8	3		
LIP, ORAL CAVITY, PHARYNX	140-149	113	45	107	44	4			1	2			
DIGESTIVE ORG. AND PERITONEUM	150-159	1326	1139	1301	1104	23	28	1	6	1	1		
RESPIRATORY AND INTRATHORACIC	160-165	1373	428	1319	419	49	7	5	1		1		
BREAST	174-175	10	774	10	751		22		1				
GENITAL ORGANS	179-187	526	454	515	444	9	9	1	1	1			
URINARY ORGANS	188-189	323	148	317	145	6	3						
OTHER AND UNSPEC SITES 170-173,	190-199	544	525	531	510	12	12		2	1	1		
OTHER LYMPH. AND HEMATOP.	200-203	270	223	263	219	5	3	1	1	1			
LEUKEMIA	204-208	226	168	220	165	4	3			2			
BENIGN AND UNCERTAIN NEOPLASMS	210-239	46	56	44	53	1	2		1	1			
DIABETES MELLITUS	250	286	415	276	392	7	16	2	7	1			
NUTRITIONAL DEFICIENCIES	260-269	20	43	19	42	1			1				
ANEMIAS	280-285	29	43	27	41	2	2						
MENINGITIS	320-322	13	11	12	10	1	1						
MAJOR CARDIOVASCULAR DISEASE	391-448	11257	10470	11021	10270	188	165	36	29	10	3	2	3
HEART	391-398,402,404-429	8947	7675	8761	7524	148	126	28	20	9	2	1	3
RHEUMATIC FEVER	391-398	65	119	64	115	1	4						
HYPERTENSIVE HEART DISEASE	402	148	207	136	200	12	6		1				
HYP HEART AND RENAL DISEASE	404	31	33	28	33	3							
ISCHEMIC HEART DISEASE	410-414	7076	5861	6955	5764	94	79	20	14	6	1	1	3
ACUTE MYOCARDIAL INFARCTION	410	4020	2650	3965	2606	38	35	12	6	4		1	3
OTHER ACUTE AND SUBACUTE	411	66	36	63	33	3	3						
ANGINA PECTORIS	413	8	4	8	3		1						
OTHER CHRONIC ISCHEMIC	412,414	2982	3171	2919	3122	53	40	8	8	2	1		
OTHER ENDOCARDIAL DISEASES	424	82	82	79	80	3	2						
OTHER HEART DISEASE	415-423,425-429	1545	1373	1499	1332	35	35	8	5	3	1		
HYPERTENSION W/ OR W/O RENAL	401,403	80	75	79	73	1	2						
CEREBROVASCULAR DISEASES	430-438	1606	2110	1567	2073	33	30	6	6		1		
INTRACRANIAL HEMORRHAGE	431,432	183	209	177	207	6	2						
CEREBRAL THROMBOSIS	434.0,434.9	284	413	280	409	4	3		1				
CEREBRAL EMBOLISM	434.1	10	6	10	6								
OTHER CEREBROVASC.	430,433,435-438	1129	1482	1100	1451	23	25	6	5		1		
ATHEROSCLEROSIS	440	297	442	292	435	4	4	1	3				
OTHER ARTERIAL DISEASE	441-448	327	168	322	165	2	3	1		1		1	
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	5	7	5	7								
PNEUMONIA AND INFLUENZA	480-487	615	466	598	460	12	4	4	1	1	1		
PNEUMONIA	480-486	579	424	562	419	12	3	4	1	1	1		
INFLUENZA	487	36	42	36	41		1						
CHRONIC OBSTRUCTIVE PULMONARY	490-496	739	276	726	271	10	4	2	1	1			
CHRONIC AND UNSPEC BRONCHITIS	490-491	39	18	39	18								
EMPHYSEMA	492	222	62	222	62								
ASTHMA	493	28	27	25	24	2	2	1	1				
OTHER CHRONIC PULMONARY	494-496	450	169	440	167	8	2	1		1			
ULCER OF STOMACH AND DUODENUM	531-533	74	52	73	51	1	1						
APPENDICITIS	540-543	13	8	13	8								
ABD. HERNIA & INTEST. OBSTR.	550-553,560	54	73	52	71	2	1				1		
CHRONIC LIVER DIS. AND CIRRHOSIS	571	294	172	280	162	9	9	4	1	1			
SPECIFIED AS ALCOHOLIC	571.0-571.3	162	57	155	54	5	3	2					
W/O MENTION OF ALC.	571.5,571.8-571.9	122	98	115	93	4	4	2	1	1			
CHRON. HEP. & BILIARY CIR.	571.4,571.6	10	17	10	15		2						
CHOLELITHIASIS AND GALLBLADDER	574-575	37	51	36	47		1	1	3				
NEPHRITIS AND NEPHROSIS	580-589	151	134	148	128	2	6	1					
ACUTE	580-581	3	4	3	4								
CHRONIC AND UNSPEC	582-583,587	19	15	19	13		2						
RENAL FAILURES	584-586,588,589	129	115	126	111	2	4	1					
INFECTIONS OF THE KIDNEY	590	15	33	15	33								
HYPERPLASIA OF THE PROSTATE	600	26		26									
COMPLICATIONS OF PREGNANCY	630-676		5		4		1						
ABORTIVE OUTCOME	630-639		1				1						
OTHER COMPLICATIONS	640-676		4		4								
CONGENITAL ANOMALIES	740-759	153	134	143	125	9	8	1	1				
CONDITIONS OF PERINATAL PERIOD	760-779	196	147	167	129	25	16	2	1	2	1		
BIRTH TRAUMA	767-769	72	54	67	47	5	6		1				
OTHER PERINATAL CONDS.	760-766,770-779	124	93	100	82	20	10	2		2	1		
ILL DEFINED CONDITIONS	780-799	147	130	128	118	15	12	3		1			
ALL OTHER DISEASES		1215	1149	1158	1111	50	36	6	2	1			
ACCIDENTS AND ADVERSE EFFECTS	800-949	1280	584	1216	561	36	12	21	9	3	2	4	
MOTOR VEHICLE ACCIDENTS	810-825	688	287	659	277	9	2	16	7	3	1	1	
OTHER	800-807,826-949	592	297	557	284	27	10	5	2		1	3	
SUICIDE	950-959	429	123	414	119	9	3	3	1	3			
HOMICIDE AND LEGAL INTERVENT.	960-978	96	50	66	34	29	16	1					
ALL OTHER EXTERNAL CAUSES	980-999	32	18	30	15	2	3						

TABLE 32

DEATHS BY CAUSE, AGE, AND SEX

WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	ALL AGES TOTAL	ALL AGES MALE	ALL AGES FEMALE	Under 1 year MALE	Under 1 year FEMALE	< 28 DAYS MALE	< 28 DAYS FEMALE	< 7 DAYS MALE	< 7 DAYS FEMALE	< 1 DAY MALE	< 1 DAY FEMALE
TOTAL		40801	22095	18706	442	321	279	218	235	175	148	117
TUBERCULOSIS	010-018	29	20	9								
RESPIRATORY TUBERCULOSIS	010-012	24	17	7								
OTHER TUBERCULOSIS	013-018	5	3	2								
SEPTICEMIA	038	145	71	74	1	2		2		1		
OTHER INFECTIOUS AND PARASITIC		140	71	69	8	7		2				
MALIGNANT NEOPLASMS	140-208	8615	4711	3904	2	2		1		1		1
LIP, ORAL CAVITY, PHARYNX	140-149	158	113	45								
DIGESTIVE ORG. AND PERITONEUM	150-159	2465	1326	1139								
RESPIRATORY AND INTRATHORACIC	160-165	1801	1373	428								
BREAST	174-175	784	10	774								
GENITAL ORGANS	179-187	980	526	454								
URINARY ORGANS	188-189	471	323	148								
OTHER AND UNSPEC SITES	170-173,190-199	1069	544	525	1	1		1		1		1
OTHER LYMPH. AND HEMATOP.	200-203	493	270	223								
LEUKEMIA	204-208	394	226	168	1	1						
BENIGN AND UNCERTAIN NEOPLASMS	210-239	102	46	56		2						
DIABETES MELLITUS	250	701	286	415								
NUTRITIONAL DEFICIENCIES	260-269	63	20	43								
ANEMIAS	280-285	72	29	43								
MENINGITIS	320-322	24	13	11	5	2	1	1				
MAJOR CARDIOVASCULAR DISEASE	391-448	21727	11257	10470	6	3	1		1			
HEART	391-398,402,404-429	16622	8947	7675	5	2	1		1			
RHEUMATIC FEVER	391-398	184	65	119								
HYPERTENSIVE HEART DISEASE	402	355	148	207								
HYP HEART AND RENAL DISEASE	404	64	31	33								
ISCHEMIC HEART DISEASE	410-414	12937	7076	5861	2							
ACUTE MYOCARDIAL INFARCTION	410	6670	4020	2650	2							
OTHER ACUTE AND SUBACUTE	411	102	66	36								
ANGINA PECTORIS	413	12	8	4								
OTHER CHRONIC ISCHEMIC	412,414	6153	2982	3171								
OTHER ENDOCARDIAL DISEASES	424	164	82	82								
OTHER HEART DISEASE	415-423,425-429	2918	1545	1373	3	2	1		1			
HYPERTENSION W/ OR W/O RENAL	401,403	155	80	75								
CEREBROVASCULAR DISEASES	430-438	3716	1606	2110		1						
INTRACRANIAL HEMORRHAGE	431,432	392	183	209								
CEREBRAL THROMBOSIS	434.0,434.9	697	284	413		1						
CEREBRAL EMBOLISM	434.1	16	10	6								
OTHER CEREBROVASC.	430,433,435-438	2611	1129	1482								
ATHEROSCLEROSIS	440	739	297	442								
OTHER ARTERIAL DISEASE	441-448	495	327	168	1							
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	12	5	7								
PNEUMONIA AND INFLUENZA	480-487	1081	615	466	9	3	2		2		1	
PNEUMONIA	480-486	1003	579	424	9	3	2		2		1	
INFLUENZA	487	78	36	42								
CHRONIC OBSTRUCTIVE PULMONARY	490-496	1015	739	276	1	1						
CHRONIC AND UNSPEC BRONCHITIS	490-491	57	39	18	1							
EMPHYSEMA	492	284	222	62								
ASTHMA	493	55	28	27		1						
OTHER CHRONIC PULMONARY	494-496	619	450	169								
ULCER OF STOMACH AND DUODENUM	531-533	126	74	52	1							
APPENDICITIS	540-543	21	13	8								
ABD. HERNIA & INTEST. OBSTR.	550-553,560	127	54	73	3	1	1	1	1	1	1	1
CHRONIC LIVER DIS. AND CIRRHOSIS	571	466	294	172								
SPECIFIED AS ALCOHOLIC	571.0-571.3	219	162	57								
W/O MENTION OF ALC.	571.5,571.8-571.9	220	122	98								
CHRON. HEP. & BILIARY CIR.	571.4,571.6	27	10	17								
CHOLELITHIASIS AND GALLBLADDER	574-575	88	37	51								
NEPHRITIS AND NEPHROSIS	580-589	285	151	134	2	2	2	2	1	2		
ACUTE	580-581	7	3	4								
CHRONIC AND UNSPEC	582-583,587	34	19	15								
RENAL FAILURES	584-586,588,589	244	129	115	2	2	2	2	1	2		
INFECTIONS OF THE KIDNEY	590	48	15	33								
HYPERPLASIA OF THE PROSTATE	600	26	26									
COMPLICATIONS OF PREGNANCY	630-676	5		5								
ABORTIVE OUTCOME	630-639	1		1								
OTHER COMPLICATIONS	640-676	4		4								
CONGENITAL ANOMALIES	740-759	287	153	134	101	85	74	63	61	48	30	33
CONDITIONS OF PERINATAL PERIOD	760-779	343	196	147	192	145	185	136	163	118	112	80
BIRTH TRAUMA	767-769	126	72	54	71	54	68	49	54	41	24	18
OTHER PERINATAL CONDS.	760-766,770-779	217	124	93	121	91	117	87	109	77	88	62
ILL DEFINED CONDITIONS	780-799	277	147	130	71	48	4	6	1	1		
ALL OTHER DISEASES		2364	1215	1149	32	10	7	3	4	3	3	2
ACCIDENTS AND ADVERSE EFFECTS	800-949	1864	1280	584	6	7	1	1				
MOTOR VEHICLE ACCIDENTS	810-825	975	688	287	2	1						
OTHER	800-807,826-949	889	592	297	4	6	1	1				
SUICIDE	950-959	552	429	123								
HOMICIDE AND LEGAL INTERVENT.	960-978	146	96	50	1	1						
ALL OTHER EXTERNAL CAUSES	980-999	50	32	18	1		1		1		1	

TABLE 32

DEATHS BY CAUSE, AGE, AND SEX

WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH ICD-9	1-4		5-9		10-14		15-19		20-24	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL	79	78	46	30	74	34	313	118	337	107
TUBERCULOSIS 010-018				1						
RESPIRATORY TUBERCULOSIS 010-012										
OTHER TUBERCULOSIS 013-018				1						
SEPTICEMIA 038									1	
OTHER INFECTIOUS AND PARASITIC	2	3			1	1		1		3
MALIGNANT NEOPLASMS 140-208	9	7	6	4	10	4	14	2	19	12
LIP, ORAL CAVITY, PHARYNX 140-149									1	
DIGESTIVE ORG. AND PERITONEUM 150-159	1				1					3
RESPIRATORY AND INTRATHORACIC 160-165					1				1	
BREAST 174-175										1
GENITAL ORGANS 179-187							1		3	
URINARY ORGANS 188-189						1				
OTHER AND UNSPEC SITES 170-173,190-199	3	4	2	3	1	1	1	2	6	1
OTHER LYMPH. AND HEMATOP. 200-203		1			1		3		3	1
LEUKEMIA 204-208	5	2	4	1	6	2	9		5	6
BENIGN AND UNCERTAIN NEOPLASMS 210-239							1	1	2	1
DIABETES MELLITUS 250	1					1			2	1
NUTRITIONAL DEFICIENCIES 260-269										
ANEMIAS 280-285				1						
MENINGITIS 320-322	2	2								
MAJOR CARDIOVASCULAR DISEASE 391-448	4	3	1	1	2	4	7	3	10	8
HEART 391-398,402,404-429	3	2	1	1	2	4	5	3	9	5
RHEUMATIC FEVER 391-398		1						1		
HYPERTENSIVE HEART DISEASE 402										
HYP HEART AND RENAL DISEASE 404										
ISCHEMIC HEART DISEASE 410-414						1			1	
ACUTE MYOCARDIAL INFARCTION 410						1			1	
OTHER ACUTE AND SUBACUTE 411										
ANGINA PECTORIS 413										
OTHER CHRONIC ISCHEMIC 412,414										
OTHER ENDOCARDIAL DISEASES 424										
OTHER HEART DISEASE 415-423,425-429	3	1	1	1	2	3	5	2	8	5
HYPERTENSION W/ OR W/O RENAL 401,403										
CEREBROVASCULAR DISEASES 430-438	1						2			2
INTRACRANIAL HEMORRHAGE 431,432	1									1
CEREBRAL THROMBOSIS 434.0,434.9										
CEREBRAL EMBOLISM 434.1										
OTHER CEREBROVASC. 430,433,435-438							2			1
ATHEROSCLEROSIS 440										
OTHER ARTERIAL DISEASE 441-448		1							1	1
ACUTE BRONCHITIS AND BRONCHIOLITIS 466	1	1								
PNEUMONIA AND INFLUENZA 480-487		2	1	1		2			2	
PNEUMONIA 480-486		2	1	1		2			2	
INFLUENZA 487										
CHRONIC OBSTRUCTIVE PULMONARY 490-496							1		1	
CHRONIC AND UNSPEC BRONCHITIS 490-491										
EMPHYSEMA 492										
ASTHMA 493							1		1	
OTHER CHRONIC PULMONARY 494-496										
ULCER OF STOMACH AND DUODENUM 531-533										
APPENDICITIS 540-543	1									
ABD. HERNIA & INTEST. OBSTR. 550-553,560								1		1
CHRONIC LIVER DIS. AND CIRRHOSIS 571										
SPECIFIED AS ALCOHOLIC 571.0-571.3										
W/O MENTION OF ALC. 571.5,571.8-571.9										
CHRON. HEP. & BILIARY CIR. 571.4,571.6										
CHOLELITHIASIS AND GALLBLADDER 574-575										1
NEPHRITIS AND NEPHROSIS 580-589				1	1		1			
ACUTE 580-581										
CHRONIC AND UNSPEC 582-583,587										
RENAL FAILURES 584-586,588,589				1	1		1			
INFECTIONS OF THE KIDNEY 590										
HYPERPLASIA OF THE PROSTATE 600										
COMPLICATIONS OF PREGNANCY 630-676										1
ABORTIVE OUTCOME 630-639										
OTHER COMPLICATIONS 640-676										1
CONGENITAL ANOMALIES 740-759	14	14	2	4	4	1	1	3	2	3
CONDITIONS OF PERINATAL PERIOD 760-779		2							1	
BIRTH TRAUMA 767-769										
OTHER PERINATAL CONDS. 760-766,770-779		2							1	
ILL DEFINED CONDITIONS 780-799	2	4								1
ALL OTHER DISEASES	10	6	6	7	7	6	14	5	12	4
ACCIDENTS AND ADVERSE EFFECTS 800-949	27	32	30	10	44	15	207	84	200	45
MOTOR VEHICLE ACCIDENTS 810-825	13	8	14	3	15	9	163	69	153	34
OTHER 800-807,826-949	14	24	16	7	29	6	44	15	47	11
SUICIDE 950-959					1		50	5	59	16
HOMICIDE AND LEGAL INTERVENT. 960-978	2	1			3		13	11	19	10
ALL OTHER EXTERNAL CAUSES 980-999	4	1			1		4	2	7	

TABLE 32

DEATHS BY CAUSE, AGE, AND SEX

WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH ICD-9	25-29		30-34		35-39		40-44		45-49	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL	271	97	245	127	239	134	313	170	495	305
TUBERCULOSIS 010-018									2	2
RESPIRATORY TUBERCULOSIS 010-012									2	2
OTHER TUBERCULOSIS 013-018										
SEPTICEMIA 038	2	1			1	2	2		1	2
OTHER INFECTIOUS AND PARASITIC	1	1	1	5		2	2		2	1
MALIGNANT NEOPLASMS 140-208	18	9	35	32	31	36	60	81	133	126
LIP, ORAL CAVITY, PHARYNX 140-149					1		3		5	
DIGESTIVE ORG. AND PERITONEUM 150-159			3	9	7	6	12	10	32	24
RESPIRATORY AND INTRATHORACIC 160-165	2		5		2	3	15	11	45	14
BREAST 174-175		2		10		11	1	27		40
GENITAL ORGANS 179-187	1	2	3	1		6	2	12	2	19
URINARY ORGANS 188-189			2		2	2	2		12	1
OTHER AND UNSPEC SITES 170-173,190-199	8	3	8	8	8	5	14	13	24	16
OTHER LYMPH. AND HEMATOP. 200-203	5		9	2	4		6	6	8	4
LEUKEMIA 204-208	2	2	5	2	7	3	5	2	5	8
BENIGN AND UNCERTAIN NEOPLASMS 210-239	1	1	2		1	1		2	1	4
DIABETES MELLITUS 250	3	7	4	2	5	7	8	2	2	7
NUTRITIONAL DEFICIENCIES 260-269										1
ANEMIAS 280-285		1		1			2	1	2	1
MENINGITIS 320-322		1			1				1	
MAJOR CARDIOVASCULAR DISEASE 391-448	18	13	28	12	64	21	107	36	210	62
HEART 391-398,402,404-429	13	10	24	7	57	9	88	23	198	41
RHEUMATIC FEVER 391-398					2	1			1	5
HYPERTENSIVE HEART DISEASE 402	2		1	1	1		1	1	2	1
HYP HEART AND RENAL DISEASE 404										1
ISCHEMIC HEART DISEASE 410-414	4	2	14	1	45	4	73	11	165	21
ACUTE MYOCARDIAL INFARCTION 410	4	1	7	1	33	2	54	6	112	13
OTHER ACUTE AND SUBACUTE 411					1		1		5	
ANGINA PECTORIS 413					1					1
OTHER CHRONIC ISCHEMIC 412,414		1	7		10	2	18	5	48	7
OTHER ENDOCARDIAL DISEASES 424			1		2				2	2
OTHER HEART DISEASE 415-423,425-429	7	8	8	5	7	4	14	11	28	11
HYPERTENSION W/ OR W/O RENAL 401,403							1	1		1
CEREBROVASCULAR DISEASES 430-438	5	2	4	4	5	8	17	11	10	18
INTRACRANIAL HEMORRHAGE 431,432	4	1	1	1	2	1	3	6	4	8
CEREBRAL THROMBOSIS 434.0,434.9				1	1		1	1		
CEREBRAL EMBOLISM 434.1										
OTHER CEREBROVASC. 430,433,435-438	1	1	3	2	2	7	13	4	6	10
ATHEROSCLEROSIS 440						1			1	
OTHER ARTERIAL DISEASE 441-448		1		1	2	2	1	1	1	2
ACUTE BRONCHITIS AND BRONCHIOLITIS 466										1
PNEUMONIA AND INFLUENZA 480-487	2		4	4	2	1	4		2	1
PNEUMONIA 480-486	2		4	4	2		3		2	1
INFLUENZA 487						1	1			
CHRONIC OBSTRUCTIVE PULMONARY 490-496	1		1	2	1	2	2		3	2
CHRONIC AND UNSPEC BRONCHITIS 490-491							1		1	
EMPHYSEMA 492			1						1	1
ASTHMA 493	1			2	1	2	1			
OTHER CHRONIC PULMONARY 494-496									1	1
ULCER OF STOMACH AND DUODENUM 531-533							1		2	
APPENDICITIS 540-543										
ABD. HERNIA & INTEST. OBSTR. 550-553,560		1				1			1	
CHRONIC LIVER DIS. AND CIRRHOSIS 571	1	1	3	1	7	7	12	16	21	19
SPECIFIED AS ALCOHOLIC 571.0-571.3	1		2	1	7	3	7	8	13	9
W/O MENTION OF ALC. 571.5,571.8-571.9		1	1			4	5	5	8	8
CHRON. HEP. & BILIARY CIR. 571.4,571.6								3		2
CHOLELITHIASIS AND GALLBLADDER 574-575		1	1				1		1	
NEPHRITIS AND NEPHROSIS 580-589			2		1	2	1	1	1	1
ACUTE 580-581										
CHRONIC AND UNSPEC 582-583,587					1		1		1	1
RENAL FAILURES 584-586,588,589			2			2		1		
INFECTIONS OF THE KIDNEY 590										
HYPERPLASIA OF THE PROSTATE 600										
COMPLICATIONS OF PREGNANCY 630-676		2		1		1				
ABORTIVE OUTCOME 630-639		1								
OTHER COMPLICATIONS 640-676		1		1		1				
CONGENITAL ANOMALIES 740-759	5	2	2	2	5	1	1		2	2
CONDITIONS OF PERINATAL PERIOD 760-779									1	
BIRTH TRAUMA 767-769									1	
OTHER PERINATAL CONDS. 760-766,770-779										
ILL DEFINED CONDITIONS 780-799	1		2	2			2	2	2	3
ALL OTHER DISEASES	15	13	15	8	22	15	21	10	34	30
ACCIDENTS AND ADVERSE EFFECTS 800-949	139	22	98	33	55	18	50	13	47	27
MOTOR VEHICLE ACCIDENTS 810-825	89	16	58	24	23	10	25	11	25	18
OTHER 800-807,826-949	50	6	40	9	32	8	25	2	22	9
SUICIDE 950-959	48	10	32	14	31	13	27	4	20	9
HOMICIDE AND LEGAL INTERVENT. 960-978	13	9	13	5	10	2	8	1	3	2
ALL OTHER EXTERNAL CAUSES 980-999	3	2	2	3	2	2	2	1	1	2

TABLE 32

DEATHS BY CAUSE, AGE, AND SEX

WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	50-54 MALE	50-54 FEMALE	55-59 MALE	55-59 FEMALE	60-64 MALE	60-64 FEMALE	65-69 MALE	65-69 FEMALE	70-74 MALE	70-74 FEMALE
TOTAL		869	527	1365	725	1863	1107	2643	1583	3076	2009
TUBERCULOSIS	010-018	2		2	2	3		5		1	2
RESPIRATORY TUBERCULOSIS	010-012	1		2	2	3		3		1	2
OTHER TUBERCULOSIS	013-018	1						2			
SEPTICEMIA	038	1	4		3	2	4	10	3	7	4
OTHER INFECTIOUS AND PARASITIC		4	3	8	3	6	8	9	5	9	7
MALIGNANT NEOPLASMS	140-208	240	246	441	324	562	448	741	551	757	542
LIP, ORAL CAVITY, PHARYNX	140-149	14	4	19	4	19	10	17	6	10	6
DIGESTIVE ORG. AND PERITONEUM	150-159	52	39	111	80	147	106	205	146	226	160
RESPIRATORY AND INTRATHORACIC	160-165	97	47	172	45	225	62	259	90	241	61
BREAST	174-175	1	70	1	99	4	97	1	105		100
GENITAL ORGANS	179-187	7	33	11	35	23	68	64	72	84	66
URINARY ORGANS	188-189	12	6	18	4	30	16	59	20	58	23
OTHER AND UNSPEC SITES	170-173,190-199	36	28	69	37	70	60	70	68	74	68
OTHER LYMPH. AND HEMATOP.	200-203	15	13	22	12	28	18	34	32	46	34
LEUKEMIA	204-208	6	6	18	8	16	11	32	12	18	24
BENIGN AND UNCERTAIN NEOPLASMS	210-239	1	3	5	5	2	3	6	6	6	5
DIABETES MELLITUS	250	12	19	22	22	25	20	38	43	42	58
NUTRITIONAL DEFICIENCIES	260-269		2		1	1	1	1		3	5
ANEMIAS	280-285				1	1	3	3	3	3	3
MENINGITIS	320-322				1	1			1	1	2
MAJOR CARDIOVASCULAR DISEASE	391-448	393	122	621	228	920	450	1400	740	1727	1094
HEART	391-398,402,404-429	339	95	564	182	780	361	1180	593	1396	854
RHEUMATIC FEVER	391-398	2	10	11	13	9	12	9	16	4	16
HYPERTENSIVE HEART DISEASE	402	8	3	18	5	17	11	16	22	25	24
HYP HEART AND RENAL DISEASE	404			1	1			2	2	7	3
ISCHEMIC HEART DISEASE	410-414	278	58	452	133	622	269	984	451	1111	669
ACUTE MYOCARDIAL INFARCTION	410	196	41	304	85	423	165	654	301	692	412
OTHER ACUTE AND SUBACUTE	411	6	1	10	2	7	3	8	3	9	2
ANGINA PECTORIS	413							3			
OTHER CHRONIC ISCHEMIC	412,414	76	16	138	46	192	101	319	147	410	255
OTHER ENDOCARDIAL DISEASES	424	6		4	1	8	7	5	8	16	11
OTHER HEART DISEASE	415-423,425-429	45	24	78	29	124	62	164	94	233	131
HYPERTENSION W/ OR W/O RENAL	401,403	1		2	2	1	1	9	8	6	7
CEREBROVASCULAR DISEASES	430-438	39	24	43	39	104	74	158	114	223	189
INTRACRANIAL HEMORRHAGE	431,432	10	7	16	7	16	15	24	17	33	26
CEREBRAL THROMBOSIS	434.0,434.9	11	4	6	7	17	9	29	25	32	37
CEREBRAL EMBOLISM	434.1					1	1	2		2	1
OTHER CEREBROVASC.	430,433,435-438	18	13	21	25	70	49	103	72	156	125
ATHEROSCLEROSIS	440	4			4	5	4	14	13	28	23
OTHER ARTERIAL DISEASE	441-448	10	3	12	1	30	10	39	12	74	21
ACUTE BRONCHITIS AND BRONCHIOLITIS	466					1					
PNEUMONIA AND INFLUENZA	480-487	10	4	17	1	24	8	31	23	43	24
PNEUMONIA	480-486	10	4	16	1	24	8	30	21	38	23
INFLUENZA	487			1				1	2	5	1
CHRONIC OBSTRUCTIVE PULMONARY	490-496	13	8	37	12	63	33	113	43	150	53
CHRONIC AND UNSPEC BRONCHITIS	490-491			2	1	1	3	2	2	9	2
EMPHYSEMA	492	6		6	4	12	9	34	13	51	12
ASTHMA	493	1	4	2	2	2	2	1	2	4	3
OTHER CHRONIC PULMONARY	494-496	6	4	24	5	48	19	76	26	86	36
ULCER OF STOMACH AND DUODENUM	531-533	4	2	5	2	7	3	9	4	13	3
APPENDICITIS	540-543					4	1	1	1		1
ABD. HERNIA & INTEST. OBSTR.	550-553,560	3			2	6	3	3	2	8	9
CHRONIC LIVER DIS. AND CIRRHOSIS	571	38	21	39	26	50	13	51	22	41	20
SPECIFIED AS ALCOHOLIC	571.0-571.3	20	9	23	11	29	5	25	5	19	4
W/O MENTION OF ALC.	571.5,571.8-571.9	18	11	16	11	19	7	24	13	18	16
CHRON. HEP. & BILIARY CIR.	571.4,571.6		1		4	2	1	2	4	4	
CHOLELITHIASIS AND GALLBLADDER	574-575	1	1	1	1			7	3	3	3
NEPHRITIS AND NEPHROSIS	580-589	3	1	7	2	7	12	9	5	16	15
ACUTE	580-581										
CHRONIC AND UNSPEC	582-583,587					1	3	1	1	2	1
RENAL FAILURES	584-586,588,589	3	1	7	2	6	9	8	4	14	14
INFECTIONS OF THE KIDNEY	590				1		1	1	2	3	2
HYPERPLASIA OF THE PROSTATE	600									1	
COMPLICATIONS OF PREGNANCY	630-676										
ABORTIVE OUTCOME	630-639										
OTHER COMPLICATIONS	640-676										
CONGENITAL ANOMALIES	740-759	1	1	5	1	3	1	1	2	2	4
CONDITIONS OF PERINATAL PERIOD	760-779										
BIRTH TRAUMA	767-769										
OTHER PERINATAL CONDS.	760-766,770-779										
ILL DEFINED CONDITIONS	780-799	1	1	5	2	4		10	3	6	6
ALL OTHER DISEASES		60	43	80	45	103	72	122	82	142	117
ACCIDENTS AND ADVERSE EFFECTS	800-949	47	24	39	27	42	16	51	29	48	24
MOTOR VEHICLE ACCIDENTS	810-825	17	11	21	16	13	6	17	15	19	8
OTHER	800-807,826-949	30	13	18	11	29	10	34	14	29	16
SUICIDE	950-959	29	19	28	9	25	6	19	9	22	4
HOMICIDE AND LEGAL INTERVENT.	960-978	3	2	2	2	1		2	1	2	2
ALL OTHER EXTERNAL CAUSES	980-999	3	1	1	2		1				

TABLE 32

DEATHS BY CAUSE, AGE, AND SEX

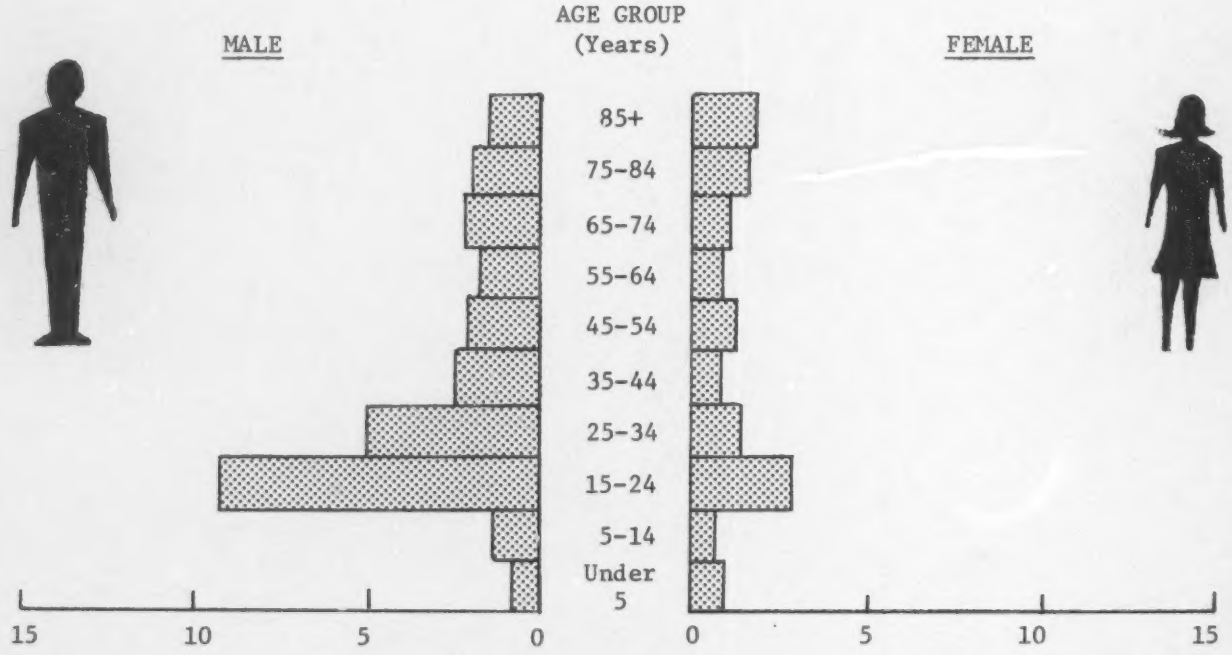
WISCONSIN, 1980

(RESIDENT DATA)

CAUSE OF DEATH	ICD-9	75-79 MALE	75-79 FEMALE	80-84 MALE	80-84 FEMALE	85 + MALE	85 + FEMALE	UNKNOWN MALE	UNKNOWN FEMALE
TOTAL		3137	2598	2842	3196	3443	5439	3	1
TUBERCULOSIS	010-018	2	1	2	1	1			
RESPIRATORY TUBERCULOSIS	010-012	2		2	1	1			
OTHER TUBERCULOSIS	013-018		1						
SEPTICEMIA	038	10	7	22	12	11	30		
OTHER INFECTIOUS AND PARASITIC		5	5	5	6	8	8		
MALIGNANT NEOPLASMS	140-208	677	531	532	483	424	464		
LIP, ORAL CAVITY, PHARYNX	140-149	9	4	9	7	6	4		
DIGESTIVE ORG. AND PERITONEUM	150-159	219	179	166	183	144	194		
RESPIRATORY AND INTRATHORACIC	160-165	158	48	100	32	50	15		
BREAST	174-175	1	84	1	71		57		
GENITAL ORGANS	179-187	113	53	111	42	101	45		
URINARY ORGANS	188-189	52	32	33	21	43	22		
OTHER AND UNSPEC SITES 170-173,	190-199	54	72	48	61	47	74		
OTHER LYMPH. AND HEMATOP.	200-203	45	35	25	39	16	26		
LEUKEMIA	204-208	26	24	39	27	17	27		
BENIGN AND UNCERTAIN NEOPLASMS	210-239	5	7	4	8	9	7		
DIABETES MELLITUS	250	40	57	42	80	40	89		
NUTRITIONAL DEFICIENCIES	260-269	5	4	3	5	7	24		
ANEMIAS	280-285	5	4	4	11	9	13		
MENINGITIS	320-322	1		1			2		
MAJOR CARDIOVASCULAR DISEASE	391-448	1815	1612	1682	2133	2242	3925		
HEART 391-398,402,	404-429	1405	1189	1267	1551	1611	2743		
RHEUMATIC FEVER	391-398	10	16	10	13	7	15		
HYPERTENSIVE HEART DISEASE	402	21	33	18	43	18	63		
HYP HEART AND RENAL DISEASE	404	3	2	9	6	9	18		
ISCHEMIC HEART DISEASE	410-414	1107	941	964	1232	1254	2068		
ACUTE MYOCARDIAL INFARCTION	410	617	518	465	514	456	590		
OTHER ACUTE AND SUBACUTE	411	7	13	3	4	9	8		
ANGINA PECTORIS	413	1	1	1	2	2			
OTHER CHRONIC ISCHEMIC	412,414	482	409	495	712	787	1470		
OTHER ENDOCARDIAL DISEASES	424	15	18	13	12	10	23		
OTHER HEART DISEASE 415-423,	425-429	249	179	253	245	313	556		
HYPERTENSION W/ OR W/O RENAL	401,403	14	15	16	17	30	23		
CEREBROVASCULAR DISEASES	430-438	278	331	310	458	407	835		
INTRACRANIAL HEMORRHAGE	431,432	21	31	28	50	20	38		
CEREBRAL THROMBOSIS 434.0,	434.9	54	64	57	85	76	179		
CEREBRAL EMBOLISM	434.1	1	2			4	2		
OTHER CEREBROVASC. 430,433,	435-438	202	234	225	323	307	616		
ATHEROSCLEROSIS	440	40	53	50	65	155	278		
OTHER ARTERIAL DISEASE	441-448	78	24	39	42	39	46		
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	2			2	1	3		
PNEUMONIA AND INFLUENZA	480-487	100	51	137	102	207	239		
PNEUMONIA	480-486	93	49	127	91	196	214		
INFLUENZA	487	7	2	10	11	11	25		
CHRONIC OBSTRUCTIVE PULMONARY	490-496	154	47	105	32	93	41		
CHRONIC AND UNSPEC BRONCHITIS	490-491	5	2	10	3	7	5		
EMPHYSEMA	492	43	10	34	6	31	7		
ASTHMA	493	6	4	3	2	4	3		
OTHER CHRONIC PULMONARY	494-496	100	31	58	21	51	26		
ULCER OF STOMACH AND DUODENUM	531-533	13	8	12	11	7	19		
APPENDICITIS	540-543	3	2	3		1	3		
ABD. HERNIA & INTEST. OBSTR.	550-553,560	7	7	10	11	13	34		
CHRONIC LIVER DIS. AND CIRRHOSIS	571	21	16	4	5	6	5		
SPECIFIED AS ALCOHOLIC	571.0-571.3	12	1	2		2	1		
W/O MENTION OF ALC.	571.5,571.8-571.9	8	13	2	5	3	4		
CHRON. HEP. & BILIARY CIR.	571.4,571.6	1	2			1			
CHOLELITHIASIS AND GALLBLADDER	574-575	4	6	9	12	9	23		
NEPHRITIS AND NEPHROSIS	580-589	28	19	30	25	42	48		
ACUTE	580-581		1	1	1	2	2		
CHRONIC AND UNSPEC	582-583,587	4		4	3	4	6		
RENAL FAILURES	584-586,588,589	24	18	25	21	36	40		
INFECTIONS OF THE KIDNEY	590	2	7	3	9	6	11		
HYPERPLASIA OF THE PROSTATE	600	2		9		14			
COMPLICATIONS OF PREGNANCY	630-676								
ABORTIVE OUTCOME	630-639								
OTHER COMPLICATIONS	640-676								
CONGENITAL ANOMALIES	740-759	1	3		2	1	3		
CONDITIONS OF PERINATAL PERIOD	760-779							2	
BIRTH TRAUMA	767-769								
OTHER PERINATAL CONDS.	760-766,770-779							2	
ILL DEFINED CONDITIONS	780-799	7	6	10	13	24	38		1
ALL OTHER DISEASES		161	157	183	194	196	325		
ACCIDENTS AND ADVERSE EFFECTS	800-949	49	37	36	36	65	85		
MOTOR VEHICLE ACCIDENTS	810-825	12	13	4	10	5	5		
OTHER	800-807,826-949	37	24	32	26	60	80		
SUICIDE	950-959	18	3	13	2	7			
HOMICIDE AND LEGAL INTERVENT.	960-978		1	1					
ALL OTHER EXTERNAL CAUSES	980-999				1			1	

Figure 7

ACCIDENTAL DEATHS
RATE* DISTRIBUTION BY AGE GROUPS AND SEX
Wisconsin, 1980



*Rate per 100,000 population

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	TOTAL		UNDER 1		1-4		5-14		15-19		20-24		25-34	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL		1318	606	6	7	29	32	75	29	224	86	212	44	234	62
I. RAILWAY ACCIDENTS	800-807	11	1					1		1	1	2		3	
COLLISION WITH ROLLING STOCK	800														
COLLISION WITH OTHER OBJECT	801														
DERAILMENT W/O ANTECEDENT COLL.	802														
EXPLOSION, FIRE OR BURNING	803														
FALL IN, ON OR FROM TRAIN	804														
HIT BY ROLLING STOCK	805	11	1					1		1	1	2		3	
OTHER SPECIFIED RAILWAY ACCIDENT	806														
UNSPECIFIED	807														
II. MOTOR VEHICLE TRAFFIC ACCIDENTS	810-819	681	296	2	1	10	8	25	16	169	69	155	32	139	43
COLLISION WITH TRAIN	810	9	5							1	1	1			3
RE-ENTRANT M.V. COLLISION	811		1												
OTHER M.V. COLLISION	812	286	156	1	1	5	3	6	5	55	26	66	19	51	26
COLLISION WITH OTHER VEHICLE	813	18	8			1		4	7	7	1	1		2	
COLLISION WITH PEDESTRIAN	814	67	42			3	2	13	2	14	7	6	3	14	2
OTHER HIGHWAY COLLISION	815	137	32	1		1		1	2	50	16	31	4	28	3
NONCOLL. DUE TO LOSS OF CONTROL	816	152	44				1			40	16	46	6	41	6
NONCOLL. BOARDING / ALIGHTING	817														
OTHER NONCOLLISION ACCIDENT	818	8	6				2	1		2	1	2		2	2
UNSPECIFIED	819	4	2								1	2		1	1
III. MOTOR VEHICLE NONTRAFFIC ACCID.	820-825	28	6	1		5	1	4		4	1	5		5	2
NONTRAFFIC SNOW VEHICLE ACCID.	820	12	2			1		1		2	1	3		2	1
NONTRAFFIC OTHER OFF-ROAD VEH.	821	2								1				1	
COLLISION WITH MOVING OBJECT	822	5	2	1			1	1				2		1	
COLLISION WITH STATIONARY OBJECT	823														
ACCIDENT BOARDING / ALIGHTING	824		1												
OTHER AND UNSPECIFIED	825	9	1			4		2		1				1	1
IV. OTHER ROAD VEHICLE ACCIDENTS	826-829	1	3						1		1				
PEDAL CYCLE ACCIDENT	826		1												
ANIMAL-DRAWN VEHICLE ACCIDENT	827														
ANIMAL BEING RIDDEN	828	1	2						1		1				
OTHER ROAD VEHICLE ACCIDENT	829														
V. WATER TRANSPORT ACCIDENTS	830-838	30	6				2	1		4	1	4	1	5	1
WATERCRAFT SUBMERSION	830	14	4				2			2		3		3	1
WATERCRAFT / OTHER INJURY	831														
OTHER SUBMERSION IN WATER TRANS.	832	16	1					1		2		1	1	2	
FALL ON STAIRS IN WATER TRANS.	833														
OTHER FALL IN WATER TRANSPORT	834														
UNSPEC. FALL IN WATER TRANSPORT	835														
MACHINERY ACCID. IN WATER TRANS.	836														
EXPLOSION, FIRE IN WATER TRANS.	837														
OTHER WATER TRANSPORT ACCIDENT	838		1								1				

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	TOTAL		UNDER 1		1-4		5-14		15-19		20-24		25-34	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
VI. AIR AND SPACE TRANSPORT	840-845	10	3				1					1	2	4	
POWERED, TAKEOFF OR LANDING	840		2				1						1		
POWERED, OTHER AND UNSPECIFIED	841	7	1									1	1	1	
ACCIDENT TO UNPOWERED AIRCRAFT	842	2												2	
FALL IN, ON OR FROM AIRCRAFT	843														
OTHER AIR TRANSPORT ACCIDENT	844	1												1	
ACCIDENT INVOLVING SPACECRAFT	845														
VII. VEH. NOT ELSEWHERE CLASSIFIABLE	846-848														
INDUSTRIAL/COMMERCIAL VEHICLES	846														
CABLE CARS NOT ON RAILS	847														
VEHICLES NOT ELSEWHERE CLASSIF.	848														
VIII. POISONING BY DRUGS, MEDICINE	850-858	27	30				1			1	1	5	3	10	5
ANALGES., ANTIPYRET.,ANTIRHEUM.	850	5	9							1		1	1	2	2
BARBITURATES	851	2	3										1	1	1
OTHER SEDATIVES AND HYPNOTICS	852														
TRANQUILIZERS	853	2												1	
OTHER PSYCHOTROPIC AGENTS	854	3	6				1							1	2
OTHER NERVOUS SYSTEM DRUGS	855	2										1		1	
ANTIBIOTICS	856		3												
ANTI-INFECTIVES	857														
OTHER DRUGS	858	13	9								1	3	1	4	
IX. POISONING BY OTHER FORMS	860-869	36	16				3	1	1	4	5	3	2	9	2
ALCOHOL	860	2	1												1
DISINFECTANTS, PAINTS, VARNISHES	861														
SOLVENTS, PETROLEUM PRODUCTS	862		2						1		1				
AGRICULTURAL CHEMICALS	863														
CORROSIVES AND CAUSTICS	864														
FOODSTUFFS AND POISONOUS PLANTS	865														
OTHER SOLIDS AND LIQUIDS	866	1						1							
GAS DISTRIBUTED BY PIPELINE	867	1	2										1	1	
OTHER UTILITY GAS AND C.O.	868	27	9				2			2	3	1	1	8	1
OTHER GASES AND VAPORS	869	5	2				1			2	1	2			
X. MISADVENTURES OF MEDICAL CARE	870-876	2	3												
ACCIDENTAL CUT OR HEMORRHAGE	870		2												
FOREIGN OBJECT LEFT IN BODY	871														
FAILURE OF STERILE PRECAUTIONS	872														
FAILURE IN DOSAGE	873		1												
MECHANICAL FAILURE (INSTRUMENT)	874														
CONTAMINATED BLOOD, FLUID, DRUG	875														
OTHER AND UNSPECIFIED	876	2													

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	TOTAL		UNDER 1		1-4		5-14		15-19		20-24		25-34	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
XI. COMPLICATION OF MED.PROCEDURES	878-879	5	5												
ABNORMAL REACTION TO SURGERY	878	5	2												
ABNORMAL REACTION TO OTHER PROC.	879		3												
XII. ACCIDENTAL FALLS	880-888	143	127					1	2			1	5		10	1
STAIRS OR STEPS	880	26	15												2	
LADDERS OR SCAFFOLDING	881	7	1										1		1	
BUILDING OR OTHER STRUCTURE	882	8	2										1		3	1
INTO HOLE OR OTHER OPENING	883	1													1	
OTHER FALL, ONE LEVEL TO ANOTHER	884	21	15					1	2			1	1		2	
SLIPPING, TRIPPING OR STUMBLING	885	10	18													
COLLISION, PUSHING OR SHOVING	886															
FRACTURE, CAUSE UNSPECIFIED	887	11	21												1	
OTHER AND UNSPECIFIED FALL	888	59	55										2			
XIII. ACCIDENTS CAUSED BY FIRE	890-899	52	36	1		6	7	4	5	6	2	6	2	6	3
PRIVATE DWELLING	890	35	33	1		5	7	4	5	3	2	5	2	3	3
OTHER BUILDING OR STRUCTURE	891	2												1		
FIRE NOT IN BUILDING	892	3								2						
IGNITION OF CLOTHING	893	8	2			1				1		1				
IGNITION INFLAMMABLE MATERIAL	894	2												1		
CONTROLLED FIRE PRIVATE DWELLING	895															
CONT. FIRE OTHER BUILDING	896															
CONT. FIRE NOT IN BUILDING	897															
OTHER SPECIFIED FIRE AND FLAMES	898	1	1													
UNSPECIFIED FIRE	899	1												1		
XIV. NATURAL AND ENVIRONMENTAL	900-909	22	13	1	1	1										1
EXCESSIVE HEAT	900		4		1											
EXCESSIVE COLD	901	13	6			1										
AIR PRESSURE CHANGES	902															
TRAVEL AND MOTION	903															
HUNGER, THIRST, EXPOSURE	904	2	1													
VENOMOUS ANIMALS AND PLANTS	905															
OTHER INJURY CAUSED BY ANIMALS	906	5	1	1												
LIGHTNING	907															
CATACLYSMIC STORMS, FLOODS	908	2	1													1
EARTH MOVEMENT, ERUPTION	909															
XV. SUBMERSION, SUFFOCATION	910-915	111	37	1	4	5	7	20	3	21	3	11	1	16	2	
DROWNING AND SUBMERSION	910	69	17		1	4	5	11	3	19	2	9		11	1	
INHALATION OR INGESTION OF FOOD	911	16	10		1	1	2			1	1			2		
INHALATION/INGESTION OTHER OBJ.	912	11	4	1				2				1			1	
MECHANICAL SUFFOCATION	913	15	4		2			7		1		1	1	3		
FOREIGN BODY / EYE AND ADNEXA	914															
FOREIGN BODY / OTHER ORIFICE	915		2													

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	TOTAL		UNDER 1		1-4		5-14		15-19		20-24		25-34	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
XVI. OTHER ACCIDENTS	916-928	151	19	1	2	1	17	3	14	1	15	1	26	1	
STRUCK BY FALLING OBJECT	916	23	1				2	1	1		1		4		
STRUCK BY OBJECTS OR PERSONS	917	11	1				1		1				2		
CAUGHT IN OR BETWEEN OBJECTS	918	3	2	1							1		2		
ACCIDENTS CAUSED BY MACHINERY	919	45	5		1		9	2	2	1	4		5		
CUTTING / PIERCING OBJECTS	920	1													
EXPLOSION OF PRESSURE VESSEL	921	1													
FIREARM MISSILE	922	23	4			1	3		5		5	1	5	1	
EXPLOSIVE MATERIAL	923	5							1		1		1		
HOT, CAUSTIC OR CORROSIVE OBJECT	924	4	1										1		
ELECTRIC CURRENT	925	20					2		4		2		5		
EXPOSURE TO RADIATION	926														
OVEREXERTION, STRENUOUS ACTIVITY	927	2													
OTHER ENVIRONMENTAL CAUSES	928	13	5		1						1		1		
XVII. LATE EFFECTS OF ACCID. INJURY	929	8	4										1	1	
XVIII. ADVERSE REACTION TO DRUGS	930-949		1												
ANTIBIOTICS	930														
OTHER ANTI-INFECTIVES	931														
HORMONES AND SUBSTITUTES	932														
PRIMARILY SYSTEMIC AGENTS	933														
AGENTS AFFECTING BLOOD	934														
ANALGESICS ANTIPYR. ANTIRHEUM.	935														
ANTICONVULSANTS, ANTI-PARKINSON.	936														
SEDATIVES AND HYPNOTICS	937														
OTHER NERVOUS SYSTEM DEPRESSANTS	938														
PSYCHOTROPIC AGENTS	939														
CENT. NERVOUS SYSTEM STIMULANTS	940														
AUTONOMIC NERVOUS SYSTEM DRUGS	941														
CARDIOVASCULAR SYSTEM DRUGS	942														
GASTROINTESTINAL SYSTEM DRUGS	943														
WATER, MINERAL AND U.A. METABOL.	944														
MUSCLE, RESPIR. SYSTEM DRUGS	945														
SKIN, EYE, EAR, NOSE THROAT DRUG	946														
OTHER AND UNSPECIFIED DRUGS	947		1												
BACTERIAL VACCINES	948														
OTHER VACCINES AND BIOL. SUBST.	949														

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	35-44		45-54		55-64		65-74		75-84		85+		UNKNOWN	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
TOTAL		108	34	97	52	81	43	97	53	88	75	67	89		
I. RAILWAY ACCIDENTS	800-807	1				1		1		1					
COLLISION WITH ROLLING STOCK	800														
COLLISION WITH OTHER OBJECT	801														
DERAILMENT W/O ANTECEDENT COLL.	802														
EXPLOSION, FIRE OR BURNING	803														
FALL IN, ON OR FROM TRAIN	804														
HIT BY ROLLING STOCK	805	1				1		1		1					
OTHER SPECIFIED RAILWAY ACCIDENT	806														
UNSPECIFIED	807														
II. MOTOR VEHICLE TRAFFIC ACCIDENTS	810-819	49	24	41	29	34	23	36	22	16	23	5	6		
COLLISION WITH TRAIN	810	3		2		1	1	1							
RE-ENTRANT M.V. COLLISION	811		1												
OTHER M.V. COLLISION	812	27	17	27	19	18	15	18	15	8	8	4	2		
COLLISION WITH OTHER VEHICLE	813			2		1									
COLLISION WITH PEDESTRIAN	814	4	2	1	2	3	3	5	4	3	12	1	3		
OTHER HIGHWAY COLLISION	815	7	1	4	3	4	1	6	2	4					
NONCOLL. DUE TO LOSS OF CONTROL	816	8	3	4	4	6	3	6	1	1	3		1		
NONCOLL. BOARDING / ALIGHTING	817														
OTHER NONCOLLISION ACCIDENT	818			1	1										
UNSPECIFIED	819					1									
III. MOTOR VEHICLE NONTRAFFIC ACCID.	820-825	2		2	1				1						
NONTRAFFIC SNOW VEHICLE ACCID.	820	1		2											
NONTRAFFIC OTHER OFF-ROAD VEH.	821														
COLLISION WITH MOVING OBJECT	822				1										
COLLISION WITH STATIONARY OBJECT	823														
ACCIDENT BOARDING / ALIGHTING	824								1						
OTHER AND UNSPECIFIED	825	1													
IV. OTHER ROAD VEHICLE ACCIDENTS	826-829	1							1						
PEDAL CYCLE ACCIDENT	826								1						
ANIMAL-DRAWN VEHICLE ACCIDENT	827														
ANIMAL BEING RIDDEN	828	1													
OTHER ROAD VEHICLE ACCIDENT	829														
V. WATER TRANSPORT ACCIDENTS	830-838	5	1	7		3				1					
WATERCRAFT SUBMERSION	830	1	1	4		1									
WATERCRAFT / OTHER INJURY	831														
OTHER SUBMERSION IN WATER TRANS.	832	4		3		2				1					
FALL ON STAIRS IN WATER TRANS.	833														
OTHER FALL IN WATER TRANSPORT	834														
UNSPEC. FALL IN WATER TRANSPORT	835														
MACHINERY ACCID. IN WATER TRANS.	836														
EXPLOSION, FIRE IN WATER TRANS.	837														
OTHER WATER TRANSPORT ACCIDENT	838														

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	35-44		45-54		55-64		65-74		75-84		85+		UNKNOWN	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
VI. AIR AND SPACE TRANSPORT	840-845	2		1		1		1							
POWERED, TAKEOFF OR LANDING	840														
POWERED, OTHER AND UNSPECIFIED	841	2		1		1		1							
ACCIDENT TO UNPOWERED AIRCRAFT	842														
FALL IN, ON OR FROM AIRCRAFT	843														
OTHER AIR TRANSPORT ACCIDENT	844														
ACCIDENT INVOLVING SPACECRAFT	845														
VII. VEH. NOT ELSEWHERE CLASSIFIABLE	846-848														
INDUSTRIAL/COMMERCIAL VEHICLES	846														
CABLE CARS NOT ON RAILS	847														
VEHICLES NOT ELSEWHERE CLASSIF.	848														
VIII. POISONING BY DRUGS, MEDICINE	850-858	3	3	2	9	2	2	1	1	1	2	2	3		
ANALGES., ANTIPYRET.,ANTIRHEUM.	850		1		4	1					1				
BARBITURATES	851				1			1							
OTHER SEDATIVES AND HYPNOTICS	852														
TRANQUILIZERS	853			1											
OTHER PSYCHOTROPIC AGENTS	854	1	1	1	2										
OTHER NERVOUS SYSTEM DRUGS	855														
ANTIBIOTICS	856				2				1						
ANTI-INFECTIVES	857														
OTHER DRUGS	858	2	1			1	2			1	1	2	3		
IX. POISONING BY OTHER FORMS	860-869	7		3	1	3		4		1	2	1			
ALCOHOL	860	1		1											
DISINFECTANTS, PAINTS, VARNISHES	861														
SOLVENTS, PETROLEUM PRODUCTS	862														
AGRICULTURAL CHEMICALS	863														
CORROSIVES AND CAUSTICS	864														
FOODSTUFFS AND POISONOUS PLANTS	865														
OTHER SOLIDS AND LIQUIDS	866														
GAS DISTRIBUTED BY PIPELINE	867										1				
OTHER UTILITY GAS AND C.O.	868	6		2	1	3		3		1	1	1			
OTHER GASES AND VAPORS	869							1							
X. MISADVENTURES OF MEDICAL CARE	870-876						1		1	2	1				
ACCIDENTAL CUT OR HEMORRHAGE	870						1		1						
FOREIGN OBJECT LEFT IN BODY	871														
FAILURE OF STERILE PRECAUTIONS	872														
FAILURE IN DOSAGE	873										1				
MECHANICAL FAILURE (INSTRUMENT)	874														
CONTAMINATED BLOOD, FLUID, DRUG	875														
OTHER AND UNSPECIFIED	876									2					

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	35-44		45-54		55-64		65-74		75-84		85+		UNKNOWN	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
XI. COMPLICATION OF MED.PROCEDURES	878-879						2	1		2	3	2			
ABNORMAL REACTION TO SURGERY	878						1	1		2	1	2			
ABNORMAL REACTION TO OTHER PROC.	879						1				2				
XII. ACCIDENTAL FALLS	880-888	7	2	12	5	12	7	22	16	33	29	40	65		
STAIRS OR STEPS	880	3	1	4		4	1	4	3	5	7	4	3		
LADDERS OR SCAFFOLDING	881	1		1		2		1	1						
BUILDING OR OTHER STRUCTURE	882	2			1			2							
INTO HOLE OR OTHER OPENING	883														
OTHER FALL, ONE LEVEL TO ANOTHER	884	1		1	1	3	2	1	1	4	2	6	7		
SLIPPING, TRIPPING OR STUMBLING	885			1	1	1		2	2	2	6	4	9		
COLLISION, PUSHING OR SHOVING	886														
FRACTURE, CAUSE UNSPECIFIED	887								3	5	2	5	16		
OTHER AND UNSPECIFIED FALL	888		1	5	2	2	4	12	6	17	12	21	30		
XIII. ACCIDENTS CAUSED BY FIRE	890-899	2	2	6	1	2	3	6	4	5	4	2	3		
PRIVATE DWELLING	890	1	2	6	1	1	3	2	4	3	2	1	2		
OTHER BUILDING OR STRUCTURE	891	1													
FIRE NOT IN BUILDING	892							1							
IGNITION OF CLOTHING	893					1		2		1	2	1			
IGNITION INFLAMMABLE MATERIAL	894							1							
CONTROLLED FIRE PRIVATE DWELLING	895														
CONT. FIRE OTHER BUILDING	896														
CONT. FIRE NOT IN BUILDING	897														
OTHER SPECIFIED FIRE AND FLAMES	898									1			1		
UNSPECIFIED FIRE	899														
XIV. NATURAL AND ENVIRONMENTAL	900-909			3	2	2	1	5		7	5	3	3		
EXCESSIVE HEAT	900										1		2		
EXCESSIVE COLD	901			2	2	2		1		5	3	2	1		
AIR PRESSURE CHANGES	902														
TRAVEL AND MOTION	903														
HUNGER, THIRST, EXPOSURE	904							1			1	1			
VENOMOUS ANIMALS AND PLANTS	905														
OTHER INJURY CAUSED BY ANIMALS	906						1	2		2					
LIGHTNING	907														
CATACLYSMIC STORMS, FLOODS	908			1				1							
EARTH MOVEMENT, ERUPTION	909														
XV. SUBMERSION, SUFFOCATION	910-915	10	1	3	3	7	2	6	4	2	4	9	3		
DROWNING AND SUBMERSION	910	6	1	1	1	4	2	1	1	1		2			
INHALATION OR INGESTION OF FOOD	911	3		1		2		3	3		1	3	2		
INHALATION/INGESTION OTHER OBJ.	912			1	1			2		1	2	3			
MECHANICAL SUFFOCATION	913	1			1	1						1			
FOREIGN BODY / EYE AND ADNEXA	914														
FOREIGN BODY / OTHER ORIFICE	915										1		1		

TABLE 34

ACCIDENTAL DEATHS BY CAUSE, AGE AND SEX
WISCONSIN, 1980
(OCCURRENCE DATA)

CAUSE OF DEATH	ICD-9	35-44		45-54		55-64		65-74		75-84		85+		UNKNOWN	
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
XVI. OTHER ACCIDENTS	916-928	18	1	16	1	13	2	13	2	15	1	2	4		
STRUCK BY FALLING OBJECT	916	2		4		3		1		3		2			
STRUCK BY OBJECTS OR PERSONS	917	1		1		1		3		1			1		
CAUGHT IN OR BETWEEN OBJECTS	918												1		
ACCIDENTS CAUSED BY MACHINERY	919	9		5		4	1	4	1	2					
CUTTING / PIERCING OBJECTS	920									1					
EXPLOSION OF PRESSURE VESSEL	921									1					
FIREARM MISSILE	922	2	1			1				2					
EXPLOSIVE MATERIAL	923	1				1									
HOT, CAUSTIC OR CORROSIVE OBJECT	924	1		1		1			1						
ELECTRIC CURRENT	925	2		3		1		1							
EXPOSURE TO RADIATION	926														
OVEREXERTION, STRENUOUS ACTIVITY	927							1		1					
OTHER ENVIRONMENTAL CAUSES	928			2	1	1	1	3		4	1		2		
XVII. LATE EFFECTS OF ACCID. INJURY	929	1		1		1		1		2	1	1	2		
XVIII. ADVERSE REACTION TO DRUGS	930-949								1						
ANTIBIOTICS	930														
OTHER ANTI-INFECTIVES	931														
HORMONES AND SUBSTITUTES	932														
PRIMARILY SYSTEMIC AGENTS	933														
AGENTS AFFECTING BLOOD	934														
ANALGESICS ANTIPYR. ANTIRHEUM.	935														
ANTICONVULSANTS, ANTI-PARKINSON.	936														
SEDATIVES AND HYPNOTICS	937														
OTHER NERVOUS SYSTEM DEPRESSANTS	938														
PSYCHOTROPIC AGENTS	939														
CENT. NERVOUS SYSTEM STIMULANTS	940														
AUTONOMIC NERVOUS SYSTEM DRUGS	941														
CARDIOVASCULAR SYSTEM DRUGS	942														
GASTROINTESTINAL SYSTEM DRUGS	943														
WATER, MINERAL AND U.A. METABOL.	944														
MUSCLE, RESPIR. SYSTEM DRUGS	945														
SKIN, EYE, EAR, NOSE THROAT DRUG	946														
OTHER AND UNSPECIFIED DRUGS	947								1						
BACTERIAL VACCINES	948														
OTHER VACCINES AND BIOL. SUBST.	949														

Table 40

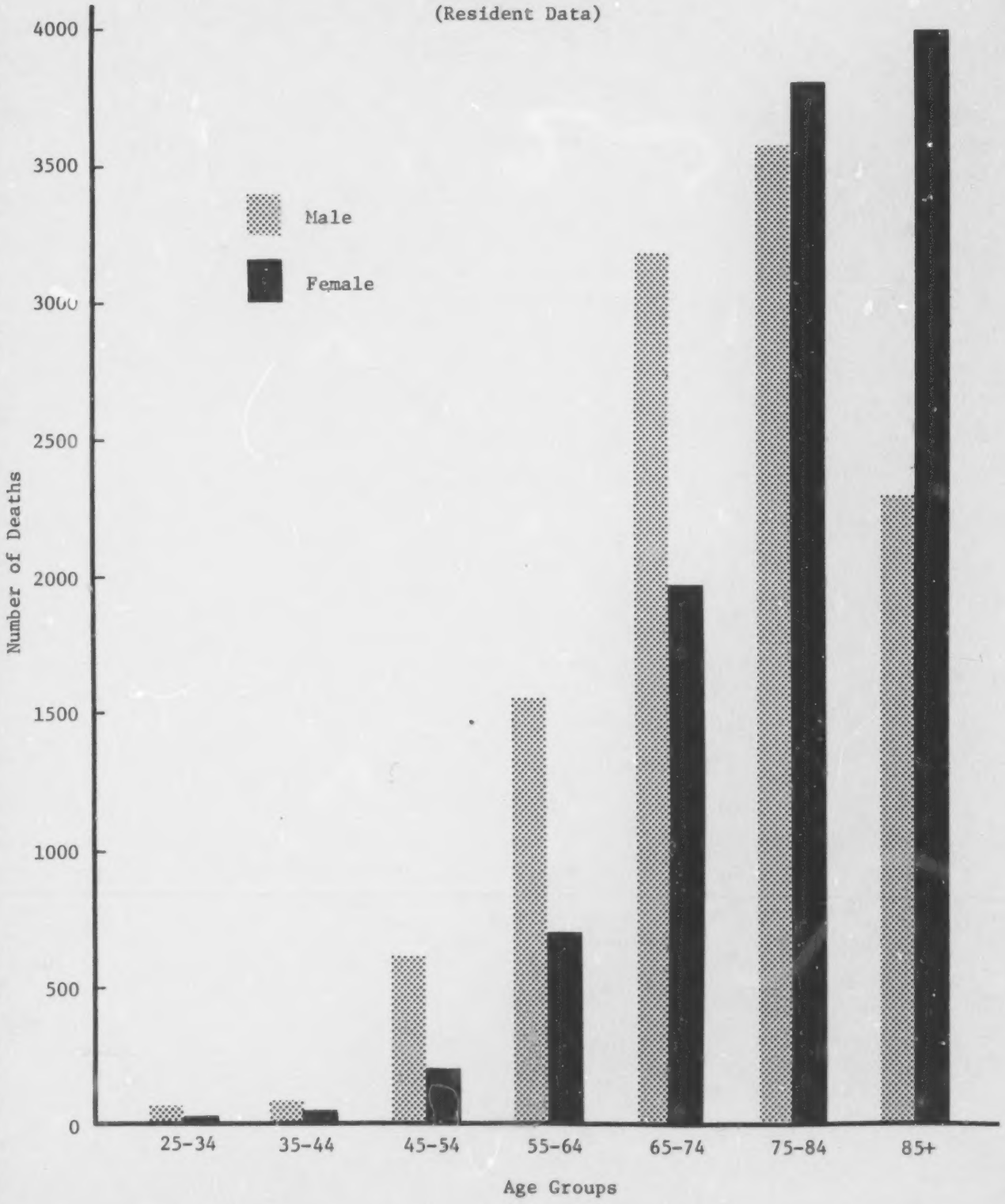
MORTALITY BY AGES, OCCUPATION AND SEX
WISCONSIN, 1980

(Resident Data)

Age Groups by Sex	Total	Professional, Technical & Kindred	Managers & Admin. except Farm	Sales Workers	Clerical and Kindred	Craftsmen & Kindred	Operatives, except Transport	Transport Equipment Operators	Laborers except Farm	Farmers & Farm Mgrs.	Farm Laborers & Farm Foremen	Service Workers except Private Household	Private Household Workers	Students 15 and over	Housewives/ Househusbands	Miscellaneous & Unk.
						Usual Occupations										
Both Sexes																
Total	39696	2713	3378	1155	2326	4903	3011	871	2573	3479	130	2285	264	359	11714	535
15-19	431	3	1	4	10	15	21	2	52	11	4	25	1	260	3	19
20-24	444	23	13	9	28	66	60	14	77	9	5	36	2	60	14	28
25-29	367	38	19	12	18	61	42	19	45	10	0	31	0	14	30	28
30-34	372	40	29	14	27	53	35	18	40	6	1	30	2	12	49	16
35-39	373	42	39	13	31	52	35	12	35	13	0	28	3	3	54	13
40-44	483	58	45	19	33	70	45	23	50	12	3	39	1	2	75	20
45-49	800	75	96	27	76	105	68	38	60	26	1	54	5	2	141	26
50-54	1396	117	140	51	120	201	119	60	118	52	2	104	3	0	275	34
55-59	2090	152	211	69	166	351	188	89	160	102	7	152	11	1	380	51
60-64	2970	195	303	92	235	453	290	96	220	180	9	225	16	0	602	54
65+	29966	1970	2482	845	1582	3476	2110	500	1726	3058	98	1561	220	5	10091	242
Unk.	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Female																
Total	18243	1239	582	310	1441	177	788	7	334	77	4	1054	257	107	11702	164
15-19	118	3	0	3	5	0	5	0	2	0	0	13	1	77	3	6
20-24	107	13	4	3	14	3	5	0	7	0	1	20	2	15	14	6
25-29	97	13	1	2	15	2	8	1	5	0	0	12	0	2	30	6
30-34	127	13	5	1	18	5	7	1	3	0	0	17	1	4	49	3
35-39	134	13	6	1	24	2	9	0	1	0	0	17	2	2	54	3
40-44	170	18	8	5	22	2	13	1	6	0	0	14	1	1	75	4
45-49	305	22	14	6	50	5	14	1	10	1	0	28	5	0	141	8
50-54	527	43	16	13	72	10	34	0	12	1	0	41	3	0	275	7
55-59	725	49	23	11	94	10	41	0	27	3	1	66	11	1	378	10
60-64	1107	67	40	16	128	17	59	1	37	5	0	105	16	0	601	15
65+	14825	985	465	249	999	121	593	2	224	67	2	721	215	5	10082	95
Unk.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Male																
Total	21453	1474	2796	845	885	4726	2223	864	2239	3402	126	1231	7	252	12	371
15-19	313	0	1	1	5	15	16	2	50	11	4	12	0	183	0	13
20-24	337	10	9	6	14	63	55	14	70	9	4	16	0	45	0	22
25-29	270	25	18	10	3	59	34	18	40	10	0	19	0	12	0	22
30-34	245	27	24	13	9	48	28	17	37	6	1	13	1	8	0	13
35-39	239	29	33	12	7	50	26	12	34	13	0	11	1	1	0	10
40-44	313	40	37	14	11	68	30	22	34	12	3	25	0	1	0	16
45-49	495	53	82	21	26	100	54	37	50	25	1	26	0	2	0	18
50-54	869	74	124	38	48	191	85	60	106	51	2	63	0	0	0	27
55-59	1365	103	188	58	72	341	147	89	133	99	6	86	0	0	2	41
60-64	1863	128	263	76	107	436	231	95	183	175	9	120	0	0	1	39
65+	15141	985	2017	596	583	3355	1517	498	1502	2991	96	840	5	0	9	147
Unk.	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

Note: Excluded - those under 15 years of age.

Figure 8
DEATHS FROM CARDIOVASCULAR RENAL DISEASE
BY SEX AND AGE GROUPS
Wisconsin, 1980
(Resident Data)



The detailed data are in supplemental table 37.

Morbidity

Morbidity

The Wisconsin Communicable Disease Surveillance System

Wisconsin public health statutes require physicians, nurses, and "anyone with knowledge of a communicable disease" to report cases of communicable disease to local city and county health officers. The Wisconsin Communicable and Acute Disease Report form is the most common form of reporting. Reports are also received via telephone calls, letters, laboratory reports, surveillance forms, and death certificates.

Morbidity data are organized, recorded, and examined on a weekly basis for disease trends, including fluctuations in morbidity, seasonal variation, changes in disease distribution, and characteristics of the natural history of endemic, epidemic, or sporadic diseases. Each week morbidity data are published in the Morbidity, Mortality Weekly Report (MMWR) of the Centers for Disease Control (CDC). This publication also features informational material pertinent to communicable disease control activities on local, state, and national levels.

Morbidity reporting from physicians, hospitals, clinics, and laboratories is the cornerstone of an effective state disease surveillance and epidemiology program. The collection of demographic and epidemiologic information is crucial to monitor disease trends, identify outbreaks, locate high risk populations, assess control efforts and determine new and emerging public health problems including newly recognized diseases (i.e., toxic-shock syndrome) and illness associated with resistant organisms (i.e., penicillinase-producing N. gonorrhoeae). In addition to statewide reporting, cooperative efforts in the area of communicable disease control are made with other state health departments and the CDC. These efforts contribute to an effective overall communicable disease prevention and control program for the nation.

Tables 41 and 43 contain final figures on the reported incidence of a portion of the notifiable (reportable) diseases in Wisconsin for 1980. Data are submitted to the Section of Acute and Communicable Disease Epidemiology (ACDE), Bureau of Community Health and Prevention, Division of Health, through the statewide morbidity reporting system. The degree of completeness of the morbidity data published in this report is influenced by the interests and priorities of the various reporting sources; however, the degree of underreporting is thought to remain consistent over time allowing data comparison over the years. Since 1980 was a transitional year involving changes in the disease surveillance system, interpretation of these data should be made with caution. Assistance with determining the significance of these data may be obtained from the ACDE.

Table 41

CASES FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1980

P. 1 of 4 pages (Resident Data)

County	Aseptic Meningitis (Viral) 047 Cases	Brucellosis 023 Cases	Chickenpox 052 Cases	Meningococcal Infections 036 Cases	Mumps 072 Cases	Pertussis (Whooping Cough) 033 Cases	Rabies in Animals 071 Cases	Rubella (German) (Measles) 056 Cases
State Total....	148*	7	20,051	30	375	46	295	187
Adams.....	1		33	1				
Ashland.....			5			1		
Barron.....			1				3	
Bayfield.....			41					
Brown.....	3		911	1	1	1	2	1
Buffalo.....	1		38				11	
Burnett.....								
Calumet.....			5			1	6	
Chippewa.....			29					
Clark.....			3				3	
Columbia.....			58		1	8	7	1
Crawford.....	2		3				2	
Dane.....	10		1,062	4	10	9	28	5
Dodge.....		3	488		3		12	2
Door.....			210					
Douglas.....	1		229					
Dunn.....	1		23				6	
Eau Claire.....	1		278	1			2	1
Florence.....			18					
Fond du Lac....			567	1	4		15	
Forest.....			39					
Grant.....	7		154			1	13	1
Green.....	1		171		1		22	
Green Lake.....			27			2	3	
Iowa.....	1			1			8	
Iron.....			4					
Jackson.....			101					
Jefferson.....	1		346				11	
Juneau.....			28					
Kenosha.....			459		13	1	4	6
Kewaunee.....			32				2	
La Crosse.....	4		113		3	4	4	
Lafayette.....	2		48			1	3	
Langlade.....			7				11	
Lincoln.....			17		1			
Manitowoc.....			217		1			
Marathon.....	3		321	1	2	1	28	
Marinette.....			170	1				1
Marquette.....	2						5	
Menominee.....			114			2		

*Five, counties unknown, included in aseptic meningitis total.

Table 41 (Cont.)

CASES FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1980

P. 2 of 4 pages (Resident Data)

County	Aseptic Meningitis (Viral) 047 Cases	Brucellosis 023 Cases	Chickenpox 052 Cases	Meningococcal Infections 036 Cases	Mumps 072 Cases	Pertussis (Whooping Cough) 033 Cases	Rabies in Animals 071 Cases	Rubella (German) (Measles) 056 Cases
Milwaukee.....	72	3	6,749	6	272	4	1	133
Monroe.....	4		173			2	7	2
Oconto.....	1		46		1			1
Oneida.....			71	2			1	
Outagamie.....	1		590	1		3	6	1
Ozaukee.....			279		3		2	
Pepin.....							2	
Pierce.....	5			1			5	
Polk.....			2				3	
Portage.....	2		14				9	
Price.....			1					
Racine.....			2,053	1	11		2	4
Richland.....			4					
Rock.....	2		505	1	6	1	2	2
Rusk.....					4		1	1
St. Croix.....			2		1			
Sauk.....	3		12		2	1	1	1
Sawyer.....			2				3	1
Shawano.....			13	2	2		8	
Sheboygan.....	1		519	1	1		3	
Taylor.....						1	7	
Trempealeau....	1		8		1		6	
Vernon.....	4		4				3	1
Vilas.....			5		1			1
Walworth.....	1		198	1				
Washburn.....			36		1			
Washington.....			102	1	2		4	
Waukesha.....	3		1,467	2	17		3	13
Waupaca.....			107		2		1	3
Waushara.....			2					3
Winnebago.....	1		600		8	2	3	1
Wood.....	1	1	117				1	1

Table 41 (Cont.)

CASES FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1980

P. 3 of 4 pages (Resident Data)

County	Rubeola (Measles) 055 Cases	Salmonellosis (excluding typhoid fever) 003 Cases	Shigellosis 004 Cases	Tuberculosis 010-018 Cases	Viral Hepatitis* 070 Case Type A	B	Non: A & B	Unspec.
State Total....	1,381	925	292	252	298	153	-	36
Adams.....		8		2				
Ashland.....		1		2				
Barron.....		2		1	5			
Bayfield.....				2				
Brown.....	3	34	3	6	12	5		1
Buffalo.....		2						
Burnett.....		1			1			
Calumet.....		4		1	2			
Chippewa.....		10		1	1	3		1
Clark.....		13		2		1		
Columbia.....	8	5			2	1		
Crawford.....		1			3			
Dane.....	62	86	30	12	16	10		3
Dodge.....	16	9		4				1
Door.....		4			1	2		
Douglas.....		13		4	24	4		1
Dunn.....		2						
Eau Claire.....		21	1	3	4	2		
Florence.....				1				
Fond du Lac....		23	1	3	1			
Forest.....		2						
Grant.....		9		3	2			
Green.....		9				1		
Green Lake.....		2		2				1
Iowa.....		5			3			
Iron.....		1						
Jackson.....	1	6	1		1			1
Jefferson.....		15	5	1	2	3		2
Juneau.....					2			
Kenosha.....	5	25	4	4	5	4		2
Kewaunee.....		5	1		3			
La Crosse.....	4	19	2	1	2	4		1
Lafayette.....		4				2		
Langlade.....		2			1			
Lincoln.....		4		2		1		
Manitowoc.....		16	1	2	4	2		2
Marathon.....	7	17		5	1			
Marinette.....		5		1				
Marquette.....	19							
Menominee.....				1				

*One, type "A" case of viral hepatitis, county unknown, included in total.
Cases of viral hepatitis; type A, type B, non A, non B, and unspecified (070) will appear for 1980 and all subsequent years.

Note: Ref. Tuberculosis: 1975 and the subsequent years' figures cannot be compared to any previous years because of a difference in diagnostic classification reporting requested by the Center for Disease Control (CD), effective January, 1975, References, Tuberculosis in the U.S., U.S. Dept., H.E.W., Center for Disease Control, Atlanta, Ga., August 1976, H.E.W. publ. No. (CDC) 76-8322, P. 31.

Table 41 (Cont.)

CASES FROM REPORTABLE DISEASE BY COUNTY
Wisconsin, 1980

P. 4 of 4 pages (Resident Data)

County	Rubeola (Measles) 055 Cases	Salmonellosis (excluding typhoid fever) 003 Cases	Shigellosis 004 Cases	Tuberculosis 010-018 Cases	Viral Hepatitis* 070 Case Type A	B	Non: A & B	Unspec.
Milwaukee.....	1,156	250	146	97	68	76		10
Monroe.....		9	4	18	3	1		
Oconto.....		7				2		
Oneida.....		6		1	1	1		
Outagamie.....	4	20	1	5	1			
Ozaukee.....	10	3		1	2	2		
Pepin.....				1				
Pierce.....		3		2	1			
Polk.....		1	7		1			
Portage.....	14	4	1	6				1
Price.....	2	11		2				
Racine.....	7	24	13	13	43	3		
Richland.....		2	1		2			
Rock.....		28	15	7	10	7		4
Rusk.....		1						
St. Croix.....		5	3	1	1			
Sauk.....			1	3	24			
Sawyer.....		2		2				
Shawano.....		4		3				
Sheboygan.....	6	16		2	1	4		
Taylor.....		2						
Trempealeau....	2	9	1	1				
Vernon.....	1	7			6	1		
Vilas.....		5	35	1				
Walworth.....		5	1	3	1			1
Washburn.....		2		1	8			1
Washington.....	22	8	1		1	1		
Waukesha.....	23	38	4	7	18	9		1
Waupaca.....	2	2			1	1		
Waushara.....	3	3	7	1	2			
Winnebago.....		23	3	5	1			1
Wood.....	4	40	1	3	3			1

Table 43

CASES FROM REPORTABLE DISEASE BY MONTH
Wisconsin, 1980

(Resident Data)

Reportable Diseases	9th Rev. ICD	Cases		Jan.	Feb.	Mar.	Apr.	May
		Number	Rate*	Cases	Cases	Cases	Cases	Cases
Aseptic Meningitis	047	148	3.1	3	2	3	7	
Brucellosis	023	7					1	3
Chickenpox	052	20051	426.1	1656	2489	2537	2582	3803
Meningococcal Infections	036	30	0.6	4	4	2		4
Mumps	072	375	8.0	53	56	34	48	48
Pertussis (Whooping Cough)	033	46	1.0	5	2			
Poliomyelitis (acute)	045	-						
Rabies in Animals	071	295	6.3	15	8	16	30	36
Rheumatic Fever (acute)	390	8		2			1	1
Rubella (German Measles)	056	187	4.0	8	13	26	26	46
Rubeola (Measles)	055	1381	29.3	11	18	150	240	460
Salmonellosis(exc.typhoid fev.)	003	925	19.7	52	28	43	83	91
Shigellosis (Dysentery)	004	292	6.2	36	35	27	13	21
Tuberculosis	010-018	252	5.4	10	25	19	12	21
Viral Hepatitis:	070							
Type A		298	6.3	39	27	33	27	37
Type B		153	3.3	18	14	7	5	13
Non: A & B		-						
Unspec.		36	0.8	3	5		5	2

Six, month unknown, included in aseptic meningitis total.
Ten, month unknown, included in salmonellosis infections total.
Five, month unknown, included in shigellosis total.
Twenty-two, month unknown, included in viral hepatitis total;(11 each in Type A and Type B).

Reportable Diseases	9th Rev. ICD	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		Cases	Cases	Cases	Cases	Cases	Cases	Cases
Aseptic Meningitis	047	8	20	36	44	13	3	3
Brucellosis	023	1		1	1			
Chickenpox	052	2457	947	341	234	478	886	1641
Meningococcal Infections	036	1			6	2	3	4
Mumps	072	26	18	16	14	29	14	19
Pertussis (Whooping Cough)	033	5	5	5	10	7	1	6
Poliomyelitis (acute)	045							
Rabies in Animals	071	39	26	28	26	26	19	26
Rheumatic Fever (acute)	390			1				3
Rubella (German Measles)	056	19	14	9	7	8	5	6
Rubeola (Measles)	055	287	137	74	2	1	1	
Salmonellosis(exc.typhoid fev.)	003	71	102	121	98	71	70	85
Shigellosis (Dysentery)	004	29	29	15	29	23	13	17
Tuberculosis	010-018	22	20	14	28	31	10	40
Viral Hepatitis:	070							
Type A		25		24	18	13	28	9
Type B		10	16	10	13	11	15	10
Non: A & B								
Unspec.		1	6	1	2	5	6	

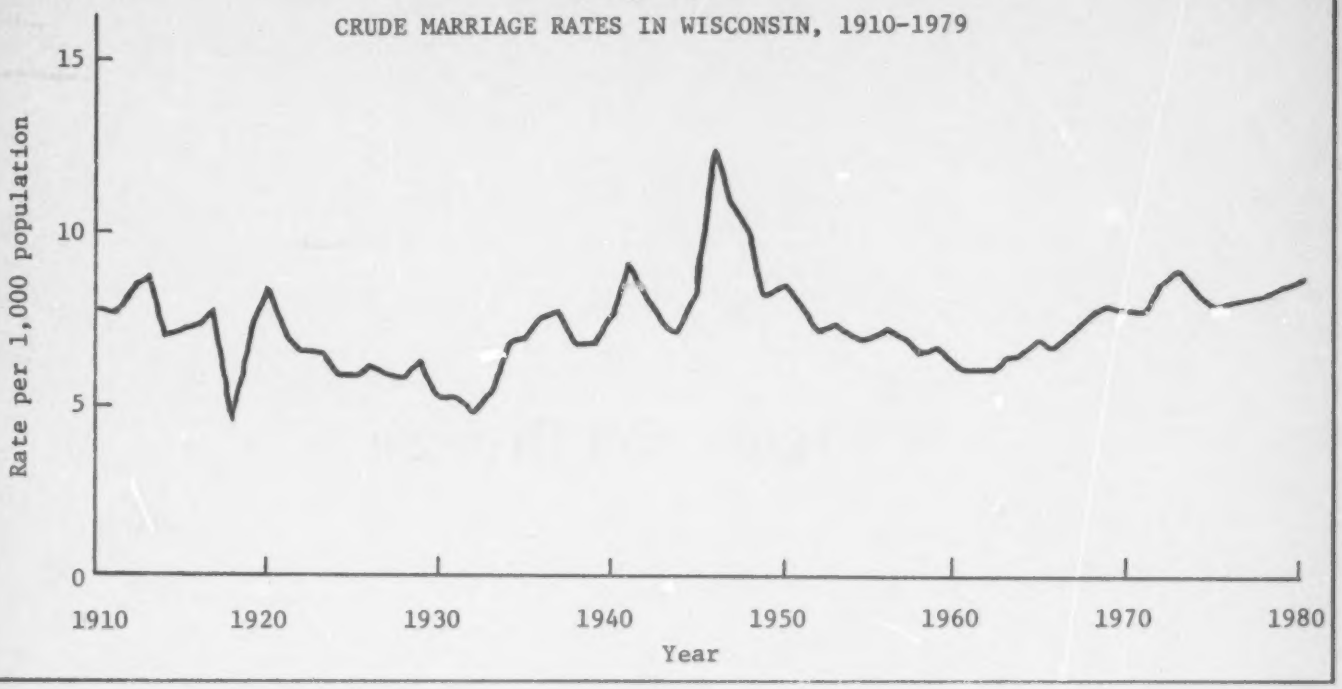
*Rates per 100,000 population. Rates based on fewer than 20 cases are omitted because they are subject to large random fluctuations. The number "20" is arbitrary and is not set forth as a critical point distinguishing statistically reliable rates.

Note: 1975 TB and the subsequent years figures cannot be compared to any previous years because of a difference in diagnostic classification reporting requested by the Center for Disease Control (CDC), effective January, 1975. References, Tuberculosis in the U.S. Dept. H.E.W., CDC, Atlanta, Ga. August 1976, H.E.W. publ. No. (CDC) 76-8322, P. 31.

Marriage and Divorce

Figure 9

CRUDE MARRIAGE RATES IN WISCONSIN, 1910-1979



From 1910 to the present major movements in the crude marriage rates have responded to war and depression. Before the Great Depression, the rates fluctuated around 7 or 8 per 1,000 population, except for the low rate of 4.6 in 1918 when many men were overseas during World War I. Depression years brought a decline with another low of 4.7 marriages per 1,000 population reached in 1932. From 1934 to 1945 rates were similar to the pre-depression levels except for the rise in 1941 during World War II. With the return of servicemen in 1946, an all-time high was reached with the occurrence of more than 12 marriages per 1,000 population. Rates then declined gradually to 6 marriages per 1,000 population through 1962. From 1963 through 1973 the rates increased to 8.9, this being the highest level since the end of World War II, then fluctuated the next 6 years and in 1980 the crude marriage rate dropped to 8.7.

TABLE 44

MARRIAGES BY MONTH AND BY COUNTY
WISCONSIN, 1980

(OCCURRENCE DATA)

COUNTY	TOTAL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL	41113	1433	1778	2130	2707	4739	5396	3808	5014	4370	4092	2861	2185
ADAMS	113	6	6	5	7	19	15	9	15	8	10	6	7
ASHLAND	199	7	12	17	20	14	24	23	30	18	16	10	8
BARRON	434	14	12	23	35	60	51	38	58	41	34	27	34
BAYFIELD	108	3	3	5	5	13	15	15	9	10	15	8	7
BROWN	1642	58	81	78	113	191	204	123	228	179	194	116	75
BUFFALO	103	2		2	7	16	16	10	21	9	10	6	4
BURNETT	113	2	3	6	7	15	22	15	13	12	8	4	8
CALUMET	183	5	7	6	15	25	27	18	30	16	15	11	8
CHIPPEWA	460	8	27	25	31	42	58	52	68	53	54	34	24
CLARK	295	9	10	16	27	28	48	30	50	38	23	10	8
COLUMBIA	420	15	12	17	24	44	64	37	56	55	48	24	24
CRAWFORD	127		10	4	9	7	23	12	10	22	10	7	7
DANE	2771	106	125	143	173	386	371	247	416	264	258	156	146
DODGE	637	21	34	28	38	75	77	46	97	81	60	43	29
DOOR	281	8	10	5	11	27	45	25	41	40	26	25	18
DOUGLAS	351	11	21	18	21	35	50	40	52	34	30	17	22
DUNN	262	11	13	15	14	36	36	17	31	30	24	17	20
EAU CLAIRE	705	25	32	28	46	80	111	66	76	72	64	58	47
FLORENCE	22		2	1	1	1	3	2	4	1	5	1	
FOND DU LAC	784	30	28	35	45	99	94	74	97	82	87	69	
FOREST	95	4	5	4	5	2	10	11	10	10	18	11	
GRANT	500	20	15	29	33	67	69	37	56	60	60	30	24
GREEN	303	9	11	17	15	29	43	24	54	33	34	21	13
GREEN LAKE	189	2	7	8	10	14	19	23	28	21	27	19	11
IOWA	177	5	10	9	12	15	26	16	25	19	22	12	6
IRON	50	1	2	3	5	7	8	3	0	7	4	1	3
JACKSON	156	4	2	5	2	18	34	16	29	19	14	0	7
JEFFERSON	528	20	18	35	34	63	60	55	74	61	46	39	23
JUNEAU	192	3	10	9	11	21	30	21	26	26	13	13	9
KENOSHA	1069	47	42	73	80	102	130	90	144	121	105	81	54
KEWAUNEE	156	6	12	4	10	16	17	13	25	15	13	13	12
LA CROSSE	727	30	31	32	47	82	104	65	97	64	61	45	49
LAFAYETTE	174	4	8	9	17	12	19	19	22	23	19	14	8
LANGLADE	192	3	5	8	17	21	29	20	31	21	19	11	7
LINCOLN	256	8	16	14	16	25	27	28	38	25	27	10	14
MANITOWOC	754	17	32	30	50	92	99	82	91	80	80	60	41
MARATHON	912	33	42	44	71	115	101	83	122	104	69	71	37
MARINETTE	337	19	15	19	16	34	43	22	43	39	41	20	26
MARQUETTE	100	4	5	9	5	10	15	5	12	9	10	13	3
MENOMINEE	23	1		2	1	3	4	3	1	1	1	3	3
MILWAUKEE	8263	333	377	487	572	978	1014	746	1033	843	810	581	489
MONROE	322	8	17	14	23	26	43	36	45	44	30	17	19
OCONTO	242	6	9	10	17	21	40	30	30	29	23	17	10
ONEIDA	285	7	11	11	25	24	43	28	43	28	23	23	13
OUTAGAMIE	1499	43	53	53	85	142	178	121	199	153	131	97	90
OZAUKEE	560	14	17	20	38	78	66	61	97	57	46	37	29
PEPIN	69	4	1	1	6	6	8	9	8	7	11	0	2
PIERCE	216	6	7	5	12	32	35	18	28	19	24	18	8
POLK	284	11	12	9	18	26	40	41	35	25	33	17	17
PORTAGE	405	16	10	19	25	50	48	33	60	46	46	25	23
PRICE	151	4	0	6	13	16	20	16	25	12	13	8	10
RACINE	1552	71	82	111	92	171	191	137	202	145	104	107	82
RICHLAND	144	0	8	8	9	21	19	9	23	9	14	13	5
ROCK	1283	36	60	85	98	139	179	108	165	142	126	72	73
RUSK	153	6	1	5	13	14	23	24	24	16	12	8	7
ST CROIX	352	8	18	13	18	36	54	34	55	41	31	20	10
SAUK	375	6	19	13	27	38	54	38	48	40	41	34	17
SAWYER	106	4	8	10	6	13	13	12	7	10	7	9	7
SHAWANO	300	8	12	17	20	45	41	33	34	30	25	16	19
SHEBOYGAN	696	26	28	41	70	93	112	108	119	102	68	61	48
TAYLOR	186	4	9	8	18	18	28	16	18	23	16	15	9
TREMPEALEAU	222	2	9	6	16	19	36	18	39	22	30	19	6
VERNON	226	9	6	10	12	21	38	19	32	21	23	20	9
VILAS	141	7	7	6	7	15	25	13	19	13	12	5	12
WALWORTH	634	11	26	34	41	69	88	57	55	72	69	40	32
WASHBURN	156	4	8	15	12	15	16	18	20	16	11	12	9
WASHINGTON	711	25	22	42	40	83	96	69	98	80	65	40	31
WAUKESHA	2258	90	82	98	131	268	293	204	334	235	205	192	126
WAUPACA	435	11	17	21	31	48	51	39	55	51	43	45	23
WAUSHARA	152	5	13	4	10	19	19	14	17	25	11	8	7
WINNEBAGO	1157	37	64	72	61	143	148	102	172	119	121	69	49
WOOD	665	24	19	30	35	91	94	60	99	70	63	36	40

Table 44b

DIVORCES, ANNULMENTS AND LEGAL SEPARATIONS GRANTED, BY COUNTY
Wisconsin, 1980

(Occurrence Data)

County	Divorces	Annulments
State Total..	17,462	127
Adams.....	52	1
Ashland.....	51	1
Barron.....	139	2
Bayfield.....	50	
Brown.....	755	5
Buffalo.....	46	
Burnett.....	42	
Calumet.....	85	
Chippewa.....	149	
Clark.....	72	1
Columbia.....	114	
Crawford.....	41	
Dane.....	1,434	13
Dodge.....	188	1
Door.....	87	
Douglas.....	202	2
Dunn.....	112	
Eau Claire...	295	1
Florence.....	19	
Fond du Lac..	293	2
Forest.....	29	
Grant.....	146	1
Green.....	79	
Green Lake...	46	
Iowa.....	41	
Iron.....	19	2
Jackson.....	50	1
Jefferson....	207	1
Juneau.....	63	
Kenosha.....	570	6
Kewaunee.....	40	1
La Crosse....	342	3
Lafayette....	40	
Langlade.....	64	2
Lincoln.....	93	
Manitowoc.....	255	
Marathon.....	383	2
Marinette.....	94	1
Marquette.....	38	
Menominee.....		
Milwaukee.....	4,066	33
Monroe.....		
Oconto.....	63	
Oneida.....	133	1
Outagamie.....	474	5
Ozaukee.....	234	1
Pepin.....	18	
Pierce.....	81	
Polk.....	124	
Portage.....	184	
Price.....	50	1
Racine.....	780	3
Richland.....	62	
Rock.....	572	2
Rusk.....	66	
St. Croix.....	136	2
Sauk.....	158	
Sawyer.....	50	1
Shawano.....	108	1
Sheboygan.....	373	3
Taylor.....	52	
Trempealeau...	74	
Vernon.....	64	1
Vilas.....	63	
Walworth.....	278	3
Washburn.....	51	
Washington....	317	2
Waukesha.....	964	5
Waupaca.....	146	7
Waushara.....	45	1
Winnebago.....	549	6
Wood.....	302	

Note: Table 44b is without 124 delayed records for Monroe county; therefore, is not comparable to table 44a in which divorces and annulments were manually added together by month.

THE VITAL STATISTICS REGISTRATION SYSTEM IN WISCONSIN

RECORD	PERSONS RESPONSIBLE FOR COMPLETING RECORDS	PERSONS RESPONSIBLE FOR FILING RECORD WITH LOCAL REGISTRAR	LOCAL REGISTRARS-TRANSMIT RECORDS TO STATE
Birth Certificate	Attending physician, midwife, or other medical professional. When none of these in attendance, then a parent, householder or owner of premises, manager or superintendant of a public or private institution in which birth occurred.	Attending physician or other person who prepared the record.	Register of Deeds of each county is primary registration office for villages and towns. Primary registration office for cities is the Health Officer who is authorized to appoint the county register of deeds as deputy for filing all certificates.
Report of Fetal Death	Funeral Director or any person designated by one of the parents to assume responsibility for disposition of the remains.	Funeral Director or person designated by one of the parents.	Same as above.
Death Certificate	Funeral Director for completion of personal and statistical information. Physician, Coroner or Medical Examiner for causes of death, interval between onset and death, day and hour of death, certification.	Funeral Director prior to any disposition of the body and for obtaining a burial permit.	Same as above.
	When no funeral director is employed, then the person who prepares the body for burial and conducts the funeral of any member of the immediate family.	Person designated to perform the burial and conduct the funeral.	Same as above.
Marriage Certificate	Persons applying for marriage license and the county clerk who issues the license.	Minister, priest, judge, family court commissioner, court commissioner or the 2 parties themselves, after completion of the certification and signing by 2 competent adult witnesses.	Same as above.
Certificate of Divorce	Attorney for the petitioner, family court commissioner and clerk of court.	Not filed locally. (Some clerks of court retain a photo copy for file but this is not required by statute).	Clerk of Court.